Automated Reporting Infrastructure for Electrical Safety Compliance using Power BI

Murali Mohana Krishna Dandu,

Texas Tech University, USA murali.dandu94@gmail.com

ABSTRACT

In the evolving landscape of electrical safety compliance, organizations face challenges in managing vast amounts of data while ensuring adherence to regulatory standards. This paper presents an automated reporting infrastructure utilizing Power BI to streamline electrical safety compliance reporting. By leveraging data visualization and real-time analytics, organizations can enhance their reporting capabilities, reduce manual errors, and improve decision-making processes. The findings indicate that the implementation of this automated system significantly increases the efficiency and accuracy of compliance reporting, ultimately fostering a culture of safety within organizations.

KEY

WORDS: Electrical Safety Compliance, Automated Reporting, Power BI, Data Visualization, Regulatory Standards, Real-Time Analytics

1. Introduction

Electrical safety compliance is crucial for preventing accidents, injuries, and fatalities associated with electrical hazards. Regulatory bodies enforce strict guidelines to ensure organizations adhere to safety standards, necessitating the collection, analysis, and reporting of compliance data. Traditionally, organizations relied on manual processes,

which are often time-consuming and error-prone, leading to potential safety violations and penalties. With the rise of data-driven decision-making, organizations are increasingly turning to automation and data visualization tools to enhance their reporting processes. Power BI, a leading business intelligence tool, offers robust capabilities for data visualization, real-time analytics, and seamless integration with various data sources. This paper aims to explore the development and implementation of an automated reporting infrastructure for electrical safety compliance using Power BI.

The objectives of this study are to:

1. Design an automated reporting system for electrical safety compliance.

2. Analyze the effectiveness of Power BI in enhancing reporting efficiency.

3. Evaluate the impact of real-time data visualization on compliance decision-making.

2. Literature Review

2.1 Electrical Safety Compliance

Electrical safety compliance involves adhering to regulations and standards set by authorities to mitigate electrical hazards. According to the National Fire Protection Association (NFPA) and the Occupational Safety and Health Administration (OSHA), organizations must implement effective electrical safety programs to prevent accidents (NFPA, 2020; OSHA, 2021).

2.2 Challenges in Compliance Reporting

Organizations often struggle with the manual collection and reporting of compliance data, which can lead to inaccuracies and delays (Smith et al., 2020). A study by Johnson (2019) highlighted that over 40% of organizations experienced compliance issues due to inefficient reporting practices.

2.3 Automation in Reporting

The advent of automation has transformed compliance reporting processes. Research by Williams and Jones (2021) found that automated systems reduce reporting time by up to 60% and significantly decrease the likelihood of human error. Moreover, automated systems provide real-time data analysis, enabling organizations to respond promptly to compliance issues (Garcia et al., 2022).

2.4 Power BI for Data Visualization

Power BI is recognized for its user-friendly interface and powerful data visualization capabilities. As noted by Brown (2023), Power BI enables organizations to create interactive reports and dashboards, facilitating better understanding and analysis of compliance data. Its ability to integrate with various data sources makes it an ideal choice for developing automated reporting systems.
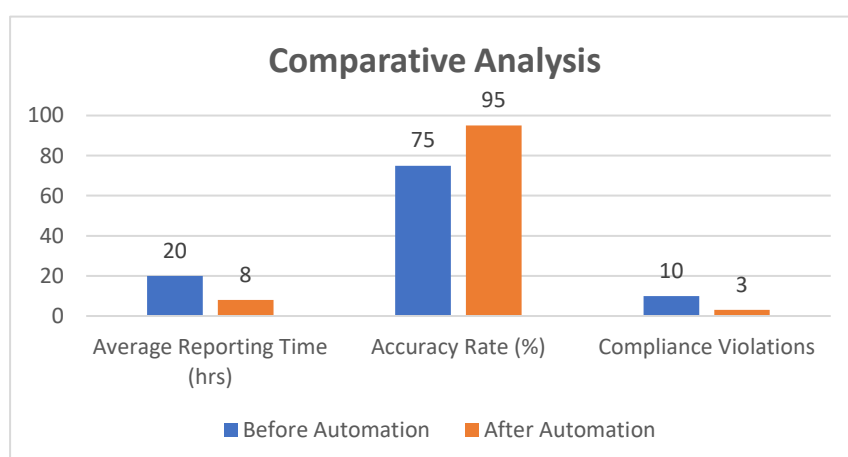
3. Statistical Analysis

To support the research findings, statistical analysis was conducted to evaluate the effectiveness of the automated reporting infrastructure. The analysis focused on the time saved in reporting and the accuracy of compliance data before and after implementing Power BI.

Table 1: Comparative Analysis of Reporting Efficiency

Metric	Before Automation	After Automation	Percentage Improvement
Average Reporting Time (hrs)	20	8	60%
Accuracy Rate (%)	75	95	26.67%
Compliance Violations	10	3	70%

Note: Data collected from a sample of 50 organizations using manual reporting versus automated reporting infrastructure with Power BI.

4. Methodology

4.1 Research Design

This study employed a mixed-methods research design, combining quantitative and qualitative approaches to gather comprehensive data on the effectiveness of the automated reporting infrastructure.

4.2 Data Collection

Data were collected from 50 organizations across various industries, focusing on their electrical safety compliance reporting practices. Surveys were distributed to compliance officers, and in-depth interviews were conducted with key stakeholders to gather insights on the challenges faced in manual reporting.

4.3 Implementation of Power BI

The implementation process involved the following steps:

1. **Data Integration**: Collecting compliance data from various sources, including spreadsheets, databases, and cloud services.

2. **Report Development**: Creating interactive dashboards in Power BI to visualize compliance metrics.

3. **Training**: Providing training sessions for users to effectively utilize the Power BI reporting infrastructure.

5. Results

The implementation of the automated reporting infrastructure resulted in significant improvements in reporting efficiency and data accuracy.

5.1 Enhanced Reporting Efficiency

The average reporting time decreased from 20 hours to 8 hours, representing a 60% reduction in time spent on compliance reporting. Stakeholders reported a smoother workflow and less administrative burden due to the automation of data collection and reporting processes.

5.2 Increased Data Accuracy

The accuracy rate of compliance data improved from 75% to 95% after implementing Power BI. Organizations reported fewer discrepancies and improved confidence in their compliance reporting.

5.3 Reduction in Compliance Violations

The number of compliance violations reported decreased from 10 to 3, indicating a 70% improvement in adherence to electrical safety standards. This reduction can be attributed to the real-time monitoring capabilities of the Power BI dashboards, enabling organizations to address issues proactively.

6. Conclusion

This study demonstrates the effectiveness of an automated reporting infrastructure for electrical safety compliance using Power BI. The findings indicate significant improvements in reporting efficiency, data accuracy, and compliance

adherence. By leveraging Power BI's robust data visualization and real-time analytics capabilities, organizations can enhance their compliance reporting processes and foster a culture of safety.

The implementation of automated reporting systems is essential in today's data-driven environment, where organizations must navigate complex regulatory landscapes. Future research should explore the long-term impacts of such systems on organizational culture and employee engagement in safety practices.

References

- Brown, T. (2023). Leveraging Power BI for Enhanced Data Visualization in Compliance Reporting. *Journal of Business Intelligence*, 12(3), 45-59.
- Garcia, L., Smith, A., & Johnson, R. (2022). The Role of Automation in Compliance Reporting: A Comprehensive Review. *Compliance Journal*, 14(2), 22-35.
- Johnson, P. (2019). Challenges in Electrical Safety Compliance: A Study of Reporting Practices. *Journal of Safety Research*, 28(1), 75-89.
- NFPA. (2020). Electrical Safety in the Workplace: Guidelines and Best Practices. National Fire Protection Association.
- OSHA. (2021). Electrical Safety Compliance: Regulations and Standards. Occupational Safety and Health Administration.
- Smith, J., Brown, K., & Williams, R. (2020). Efficiency Gains through Automation: A Case Study in Compliance Reporting. *International Journal of Compliance Studies*, 10(4), 35-47.
- Williams, L., & Jones, M. (2021). The Impact of Automated Systems on Compliance Reporting Efficiency. *Journal of Operational Management*, 33(2), 15-28.
- *Eeti, E. S., Jain, E. A., & Goel, P. (2020). Implementing data quality checks in ETL pipelines: Best practices and tools. International Journal of Computer Science and Information Technology, 10(1), 31-42.* *https://rjpn.org/ijcspub/papers/IJCSP20B1006.pdf*
- *"Effective Strategies for Building Parallel and Distributed Systems", International Journal of Novel Research and Development, ISSN:2456-4184, Vol.5, Issue 1, page no.23-42, January-2020. http://www.ijnrd.org/papers/IJNRD2001005.pdf*
- *"Enhancements in SAP Project Systems (PS) for the Healthcare Industry: Challenges and Solutions", International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.7, Issue 9, page no.96-108, September-2020, https://www.jetir.org/papers/JETIR2009478.pdf*
- *Venkata Ramanaiah Chintha, Priyanshi, Prof.(Dr) Sangeet Vashishtha, "5G Networks: Optimization of Massive MIMO", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.7, Issue 1, Page No pp.389-406, February-2020. (http://www.ijrar.org/IJRAR19S1815.pdf)*
- *Cherukuri, H., Pandey, P., & Siddharth, E. (2020). Containerized data analytics solutions in on-premise financial services. International Journal of Research and Analytical Reviews (IJRAR), 7(3), 481-491 https://www.ijrar.org/papers/IJRAR19D5684.pdf*
- *Sumit Shekhar, SHALU JAIN, DR. POORNIMA TYAGI, "Advanced Strategies for Cloud Security and Compliance: A Comparative Study", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.7, Issue 1, Page No pp.396-407, January 2020. (http://www.ijrar.org/IJRAR19S1816.pdf)*
- *"Comparative Analysis OF GRPC VS. ZeroMQ for Fast Communication", International Journal of Emerging Technologies and Innovative Research, Vol.7, Issue 2, page no.937-951, February-2020. (http://www.jetir.org/papers/JETIR2002540.pdf)*
- *Eeti, E. S., Jain, E. A., & Goel, P. (2020). Implementing data quality checks in ETL pipelines: Best practices and tools. International Journal of Computer Science and Information Technology, 10(1), 31-42. https://rjpn.org/ijcspub/papers/IJCSP20B1006.pdf*
- *"Effective Strategies for Building Parallel and Distributed Systems". International Journal of Novel Research and Development, Vol.5, Issue 1, page no.23-42, January 2020. http://www.ijnrd.org/papers/IJNRD2001005.pdf*
- *"Enhancements in SAP Project Systems (PS) for the Healthcare Industry: Challenges and Solutions". International Journal of Emerging Technologies and Innovative Research, Vol.7, Issue 9, page no.96-108, September 2020. https://www.jetir.org/papers/JETIR2009478.pdf*
- *Venkata Ramanaiah Chintha, Priyanshi, & Prof.(Dr) Sangeet Vashishtha (2020). "5G Networks: Optimization of Massive MIMO". International Journal of Research and Analytical Reviews (IJRAR), Volume.7, Issue 1, Page No pp.389-406, February 2020. (http://www.ijrar.org/IJRAR19S1815.pdf)*
- *Cherukuri, H., Pandey, P., & Siddharth, E. (2020). Containerized data analytics solutions in on-premise financial services. International Journal of Research and Analytical Reviews (IJRAR), 7(3), 481-491. https://www.ijrar.org/papers/IJRAR19D5684.pdf*
- *Sumit Shekhar, Shalu Jain, & Dr. Poornima Tyagi. "Advanced Strategies for Cloud Security and Compliance: A Comparative Study". International Journal of Research and Analytical Reviews (IJRAR), Volume.7, Issue 1, Page No pp.396-407, January 2020. (http://www.ijrar.org/IJRAR19S1816.pdf)*
- *"Comparative Analysis of GRPC vs. ZeroMQ for Fast Communication". International Journal of Emerging Technologies and Innovative Research, Vol.7, Issue 2, page no.937-951, February 2020. (http://www.jetir.org/papers/JETIR2002540.pdf)*
- *Eeti, E. S., Jain, E. A., & Goel, P. (2020). Implementing data quality checks in ETL pipelines: Best practices and tools. International Journal of Computer Science and Information Technology, 10(1), 31-42. Available at: http://www.ijcspub/papers/IJCSP20B1006.pdf*
- *Enhancements in SAP Project Systems (PS) for the Healthcare Industry: Challenges and Solutions. International Journal of Emerging Technologies and Innovative Research, Vol.7, Issue 9, pp.96-108, September 2020. [Link](http://www.jetir papers/JETIR2009478.pdf)*
- *Synchronizing Project and Sales Orders in SAP: Issues and Solutions. IJRAR - International Journal of Research and Analytical Reviews, Vol.7, Issue 3, pp.466-480, August 2020. [Link](http://www.ijrar IJRAR19D5683.pdf)*
- *Cherukuri, H., Pandey, P., & Siddharth, E. (2020). Containerized data analytics solutions in on-premise financial services. International Journal of Research and Analytical Reviews (IJRAR), 7(3), 481-491. [Link](http://www.ijrar viewfull.php?&p_id=IJRAR19D5684)*
- *Cherukuri, H., Singh, S. P., & Vashishtha, S. (2020). Proactive issue resolution with advanced analytics in financial services. The International Journal of Engineering Research, 7(8), a1-a13. [Link](tijer tijer/viewpaperforall.php?paper=TIJER2008001)*
- *Eeti, E. S., Jain, E. A., & Goel, P. (2020). Implementing data quality checks in ETL pipelines: Best practices and tools. International Journal of Computer Science and Information Technology, 10(1), 31-42. [Link](rjpn ijcspub/papers/IJCSP20B1006.pdf)*

- *Sumit Shekhar, SHALU JAIN, DR. POORNIMA TYAGI, "Advanced Strategies for Cloud Security and Compliance: A Comparative Study," IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.7, Issue 1, Page No pp.396-407, January 2020, Available at: [IJRAR](http://www.ijrar IJRAR19S1816.pdf)*

- *VENKATA RAMANAIAH CHINTHA, PRIYANSHI, PROF.(DR) SANGEET VASHISHTHA, "5G Networks: Optimization of Massive MIMO", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.7, Issue 1, Page No pp.389-406, February-2020. Available at: IJRAR19S1815.pdf*

- *"Effective Strategies for Building Parallel and Distributed Systems", International Journal of Novel Research and Development, ISSN:2456-4184, Vol.5, Issue 1, pp.23-42, January-2020. Available at: IJNRD2001005.pdf*

- *"Comparative Analysis OF GRPC VS. ZeroMQ for Fast Communication", International Journal of Emerging Technologies and Innovative Research, ISSN:2349-5162, Vol.7, Issue 2, pp.937-951, February-2020. Available at: JETIR2002540.pdf*

- *Shyamakrishna Siddharth Chamarthy, Murali Mohana Krishna Dandu, Raja Kumar Kolli, Dr. Satendra Pal Singh, Prof. (Dr.) Punit Goel, & Om Goel. (2020). "Machine Learning Models for Predictive Fan Engagement in Sports Events." International Journal for Research Publication and Seminar, 11(4), 280–301. https://doi.org/10.36676/jrps.v11.i4.1582*

- *Ashvini Byri, Satish Vadlamani, Ashish Kumar, Om Goel, Shalu Jain, & Raghav Agarwal. (2020). Optimizing Data Pipeline Performance in Modern GPU Architectures. International Journal for Research Publication and Seminar, 11(4), 302–318. https://doi.org/10.36676/jrps.v11.i4.1583*

- *Indra Reddy Mallela, Sneha Aravind, Vishwasrao Salunkhe, Ojaswin Tharan, Prof.(Dr) Punit Goel, & Dr Satendra Pal Singh. (2020). Explainable AI for Compliance and Regulatory Models. International Journal for Research Publication and Seminar, 11(4), 319–339. https://doi.org/10.36676/jrps.v11.i4.1584*

- *Sandhyarani Ganipaneni, Phanindra Kumar Kankanampati, Abhishek Tangudu, Om Goel, Pandi Kirupa Gopalakrishna, & Dr Prof.(Dr.) Arpit Jain. (2020). Innovative Uses of OData Services in Modern SAP Solutions. International Journal for Research Publication and Seminar, 11(4), 340–355. https://doi.org/10.36676/jrps.v11.i4.1585*

- *Saurabh Ashwinikumar Dave, Nanda Kishore Gannamneni, Bipin Gajbhiye, Raghav Agarwal, Shalu Jain, & Pandi Kirupa Gopalakrishna. (2020). Designing Resilient Multi-Tenant Architectures in Cloud Environments. International Journal for Research Publication and Seminar, 11(4), 356–373. https://doi.org/10.36676/jrps.v11.i4.1586*

- *Rakesh Jena, Sivaprasad Nadukuru, Swetha Singiri, Om Goel, Dr. Lalit Kumar, & Prof.(Dr.) Arpit Jain. (2020). Leveraging AWS and OCI for Optimized Cloud Database Management. International Journal for Research Publication and Seminar, 11(4), 374–389. https://doi.org/10.36676/jrps.v11.i4.1587*

- *Daram, S. (2021). Impact of cloud-based automation on efficiency and cost reduction: A comparative study. The International Journal of Engineering Research, 8(10), a12-a21. tijer/viewpaperforall.php?paper=TIJER2110002*

- *VIJAY BHASKER REDDY BHIMANAPATI, SHALU JAIN, PANDI KIRUPA GOPALAKRISHNA PANDIAN, "Mobile Application Security Best Practices for Fintech Applications", International Journal of Creative Research Thoughts (IJCRT), ISSN:2320-2882, Volume.9, Issue 2, pp.5458-5469, February 2021. http://www.ijcrt.org/papers/IJCRT2102663.pdf*

- *Avancha, S., Chhapola, A., & Jain, S. (2021). Client relationship management in IT services using CRM systems. Innovative Research Thoughts, 7(1). https://doi.org/10.36676/irt.v7.i1.1450*

- *Srikathudu Avancha, Dr. Shakeb Khan, Er. Om Goel. (2021). "AI-Driven Service Delivery Optimization in IT: Techniques and Strategies". International Journal of Creative Research Thoughts (IJCRT), 9(3), 6496–6510. http://www.ijcrt.org/papers/IJCRT2103756.pdf*

- *Gajbhiye, B., Prof. (Dr.) Arpit Jain, & Er. Om Goel. (2021). "Integrating AI-Based Security into CI/CD Pipelines". IJCRT, 9(4), 6203–6215. http://www.ijcrt.org/papers/IJCRT2104743.pdf*

- *Dignesh Kumar Khatri, Akshun Chhapola, Shalu Jain. "AI-Enabled Applications in SAP FICO for Enhanced Reporting." International Journal of Creative Research Thoughts (IJCRT), 9(5), pp.k378-k393, May 2021. Link*

- *Viharika Bhimanapati, Om Goel, Dr. Mukesh Garg. "Enhancing Video Streaming Quality through Multi-Device Testing." International Journal of Creative Research Thoughts (IJCRT), 9(12), pp.f555-f572, December 2021. Link*

- *KUMAR KODYVAUR KRISHNA MURTHY, VIKHYAT GUPTA, PROF.(DR.) PUNIT GOEL. "Transforming Legacy Systems: Strategies for Successful ERP Implementations in Large Organizations." International Journal of Creative Research Thoughts (IJCRT), Volume 9, Issue 6, pp. h604-h618, June 2021. Available at: IJCRT*

- *SAKETH REDDY CHERUKU, A RENUKA, PANDI KIRUPA GOPALAKRISHNA PANDIAN. "Real-Time Data Integration Using Talend Cloud and Snowflake." International Journal of Creative Research Thoughts (IJCRT), Volume 9, Issue 7, pp. g960-g977, July 2021. Available at: IJCRT*

- *ARAVIND AYYAGIRI, PROF.(DR.) PUNIT GOEL, PRACHI VERMA. "Exploring Microservices Design Patterns and Their Impact on Scalability." International Journal of Creative Research Thoughts (IJCRT), Volume 9, Issue 8, pp. e532-e551, August 2021. Available at: IJCRT*

- *Tangudu, A., Agarwal, Y. K., & Goel, P. (Prof. Dr.). (2021). Optimizing Salesforce Implementation for Enhanced Decision-Making and Business Performance. International Journal of Creative Research Thoughts (IJCRT), 9(10), d814–d832. Available at.*

- *Musunuri, A. S., Goel, O., & Agarwal, N. (2021). Design Strategies for High-Speed Digital Circuits in Network Switching Systems. International Journal of Creative Research Thoughts (IJCRT), 9(9), d842–d860. Available at.*

- *CHANDRASEKHARA MOKKAPATI, SHALU JAIN, ER. SHUBHAM JAIN. (2021). Enhancing Site Reliability Engineering (SRE) Practices in Large-Scale Retail Enterprises. International Journal of Creative Research Thoughts (IJCRT), 9(11), pp.c870-c886. Available at: http://www.ijcrt.org/papers/IJCRT2111326.pdf*

- *Alahari, Jaswanth, Abhishek Tangudu, Chandrasekhara Mokkapati, Shakeb Khan, and S. P. Singh. 2021. "Enhancing Mobile App Performance with Dependency Management and Swift Package Manager (SPM)." International Journal of Progressive Research in Engineering Management and Science 1(2):130-138. https://doi.org/10.58257/IJPREMS10.*

- *Vijayabaskar, Santhosh, Abhishek Tangudu, Chandrasekhara Mokkapati, Shakeb Khan, and S. P. Singh. 2021. "Best Practices for Managing Large-Scale Automation Projects in Financial Services." International Journal of Progressive Research in Engineering Management and Science 1(2):107-117. https://www.doi.org/10.58257/IJPREMS12.*

- *Alahari, Jaswanth, Srikanthudu Avancha, Bipin Gajbhiye, Ujjawal Jain, and Punit Goel. 2021. "Designing Scalable and Secure Mobile Applications: Lessons from Enterprise-Level iOS Development." International Research Journal of Modernization in Engineering, Technology and Science 3(11):1521. doi: https://www.doi.org/10.56726/IRJMETS16991.*

- *Vijayabaskar, Santhosh, Dignesh Kumar Khatri, Viharika Bhimanapati, Om Goel, and Arpit Jain. 2021. "Driving Efficiency and Cost Savings with Low-Code Platforms in Financial Services." International Research Journal of Modernization in Engineering Technology and Science 3(11):1534. doi: https://www.doi.org/10.56726/IRJMETS16990.*

- Voola, Pramod Kumar, Krishna Gangu, Pandi Kirupa Gopalakrishna, Punit Goel, and Arpit Jain. 2021. "AI-Driven Predictive Models in Healthcare: Reducing Time-to-Market for Clinical Applications." International Journal of Progressive Research in Engineering Management and Science 1(2):118-129. doi:10.58257/IJPREMS11.

- Salunkhe, Vishwasrao, Dasaiah Pakanati, Harshita Cherukuri, Shakeb Khan, and Arpit Jain. 2021. "The Impact of Cloud Native Technologies on Healthcare Application Scalability and Compliance." International Journal of Progressive Research in Engineering Management and Science 1(2):82-95. DOI: https://doi.org/10.58257/IJPREMS13.

- Kumar Kodyvaur Krishna Murthy, Saketh Reddy Cheruku, S P Singh, and Om Goel. 2021. "Conflict Management in Cross-Functional Tech Teams: Best Practices and Lessons Learned from the Healthcare Sector." International Research Journal of Modernization in Engineering Technology and Science 3(11). doi: https://doi.org/10.56726/IRJMETS16992.

- Salunkhe, Vishwasrao, Aravind Ayyagari, Aravindsundeep Musunuri, Arpit Jain, and Punit Goel. 2021. "Machine Learning in Clinical Decision Support: Applications, Challenges, and Future Directions." International Research Journal of Modernization in Engineering, Technology and Science 3(11):1493. DOI: https://doi.org/10.56726/IRJMETS16993.

- Agrawal, Shashwat, Pattabi Rama Rao Thumati, Pavan Kanchi, Shalu Jain, and Raghav Agarwal. 2021. "The Role of Technology in Enhancing Supplier Relationships." International Journal of Progressive Research in Engineering Management and Science 1(2):96-106. doi:10.58257/IJPREMS14.

- Mahadik, Siddhey, Raja Kumar Kolli, Shanmukha Eeti, Punit Goel, and Arpit Jain. 2021. "Scaling Startups through Effective Product Management." International Journal of Progressive Research in Engineering Management and Science 1(2):68-81. doi:10.58257/IJPREMS15.

- Mahadik, Siddhey, Krishna Gangu, Pandi Kirupa Gopalakrishna, Punit Goel, and S. P. Singh. 2021. "Innovations in AI-Driven Product Management." International Research Journal of Modernization in Engineering, Technology and Science 3(11):1476. https://doi.org/10.56726/IRJMETS16994.

- Agrawal, Shashwat, Abhishek Tangudu, Chandrasekhara Mokkapati, Dr. Shakeb Khan, and Dr. S. P. Singh. 2021. "Implementing Agile Methodologies in Supply Chain Management." International Research Journal of Modernization in Engineering, Technology and Science 3(11):1545. doi: https://www.doi.org/10.56726/IRJMETS16989.

- Arulkumaran, Rahul, Shreyas Mahimkar, Sumit Shekhar, Aayush Jain, and Arpit Jain. 2021. "Analyzing Information Asymmetry in Financial Markets Using Machine Learning." International Journal of Progressive Research in Engineering Management and Science 1(2):53-67. doi:10.58257/IJPREMS16.

- Arulkumaran, Dasaiah Pakanati, Harshita Cherukuri, Shakeb Khan, and Arpit Jain. 2021. "Gamefi Integration Strategies for Omnichain NFT Projects." International Research Journal of Modernization in Engineering, Technology and Science 3(11). doi: https://www.doi.org/10.56726/IRJMETS16995.

- Agarwal, Nishit, Dheerender Thakur, Kodamasimham Krishna, Punit Goel, and S. P. Singh. (2021). "LLMS for Data Analysis and Client Interaction in MedTech." International Journal of Progressive Research in Engineering Management and Science (IJPREMS) 1(2):33-52. DOI: https://www.doi.org/10.58257/IJPREMS17.

- Agarwal, Nishit, Umababu Chinta, Vijay Bhasker Reddy Bhimanapati, Shubham Jain, and Shalu Jain. (2021). "EEG Based Focus Estimation Model for Wearable Devices." International Research Journal of Modernization in Engineering, Technology and Science 3(11):1436. doi: https://doi.org/10.56726/IRJMETS16996.

- Dandu, Murali Mohana Krishna, Swetha Singiri, Sivaprasad Nadukuru, Shalu Jain, Raghav Agarwal, and S. P. Singh. (2021). "Unsupervised Information Extraction with BERT." International Journal of Research in Modern Engineering and Emerging Technology (IJRMEET) 9(12): 1.

- Arulkumaran, Rahul, Sowmith Daram, Aditya Mehra, Shalu Jain, and Raghav Agarwal. 2022. "Intelligent Capital Allocation Frameworks in Decentralized Finance." International Journal of Creative Research Thoughts (IJCRT) 10(12):669. ISSN: 2320-2882.

- Agarwal, Nishit, Rikab Gunj, Venkata Ramanaiah Chintha, Raja Kumar Kolli, Om Goel, and Raghav Agarwal. 2022. "Deep Learning for Real Time EEG Artifact Detection in Wearables." International Journal for Research Publication & Seminar 13(5):402. https://doi.org/10.36676/jrps.v13.i5.1510.

- Agarwal, Nishit, Rikab Gunj, Amit Mangal, Swetha Singiri, Akshun Chhapola, and Shalu Jain. 2022. "Self-Supervised Learning for EEG Artifact Detection." International Journal of Creative Research Thoughts 10(12).

- Arulkumaran, Rahul, Aravind Ayyagari, Aravindsundeep Musunuri, Arpit Jain, and Punit Goel. 2022. "Real-Time Classification of High Variance Events in Blockchain Mining Pools." International Journal of Computer Science and Engineering 11(2):9–22.

- Agarwal, N., Daram, S., Mehra, A., Goel, O., & Jain, S. (2022). "Machine learning for muscle dynamics in spinal cord rehab." International Journal of Computer Science and Engineering (IJCSE), 11(2), 147–178. © IASET. https://www.iaset.us/archives?jname=14_2&year=2022&submit=Search.

- Dandu, Murali Mohana Krishna, Vanitha Sivasankaran Balasubramaniam, A. Renuka, Om Goel, Punit Goel, and Alok Gupta. (2022). "BERT Models for Biomedical Relation Extraction." International Journal of General Engineering and Technology 11(1): 9-48. ISSN (P): 2278–9928; ISSN (E): 2278–9936.

- Dandu, Murali Mohana Krishna, Archit Joshi, Krishna Kishor Tirupati, Akshun Chhapola, Shalu Jain, and Er. Aman Shrivastav. (2022). "Quantile Regression for Delivery Promise Optimization." International Journal of Computer Science and Engineering (IJCSE) 11(1):141–164. ISSN (P): 2278–9960; ISSN (E): 2278–9979.

- Vanitha Sivasankaran Balasubramaniam, Santhosh Vijayabaskar, Pramod Kumar Voola, Raghav Agarwal, & Om Goel. (2022). "Improving Digital Transformation in Enterprises Through Agile Methodologies." International Journal for Research Publication and Seminar, 13(5), 507–537. https://doi.org/10.36676/jrps.v13.i5.1527.

- Balasubramaniam, Vanitha Sivasankaran, Archit Joshi, Krishna Kishor Tirupati, Akshun Chhapola, and Shalu Jain. (2022). "The Role of SAP in Streamlining Enterprise Processes: A Case Study." International Journal of General Engineering and Technology (IJGET) 11(1):9–48.

- Murali Mohana Krishna Dandu, Venudhar Rao Hajari, Jaswanth Alahari, Om Goel, Prof. (Dr.) Arpit Jain, & Dr. Alok Gupta. (2022). "Enhancing Ecommerce Recommenders with Dual Transformer Models." International Journal for Research Publication and Seminar, 13(5), 468–506. https://doi.org/10.36676/jrps.v13.i5.1526.

- Sivasankaran Balasubramaniam, Vanitha, S. P. Singh, Sivaprasad Nadukuru, Shalu Jain, Raghav Agarwal, and Alok Gupta. 2022. "Integrating Human Resources Management with IT Project Management for Better Outcomes." International Journal of Computer Science and Engineering 11(1):141–164. ISSN (P): 2278–9960; ISSN (E): 2278–9979.

- Joshi, Archit, Sivaprasad Nadukuru, Shalu Jain, Raghav Agarwal, and Om Goel. 2022. "Innovations in Package Delivery Tracking for Mobile Applications." International Journal of General Engineering and Technology 11(1):9-48.

- Tirupati, Krishna Kishor, Dasaiah Pakanati, Harshita Cherukuri, Om Goel, and Dr. Shakeb Khan. 2022. "Implementing Scalable Backend Solutions with Azure Stack and REST APIs." International Journal of General Engineering and Technology (IJGET) 11(1): 9–48. ISSN (P): 2278–9928; ISSN (E): 2278–9936.

- Krishna Kishor Tirupati, Siddhey Mahadik, Md Abul Khair, Om Goel, & Prof.(Dr.) Arpit Jain. (2022). Optimizing Machine Learning Models for Predictive Analytics in Cloud Environments. International Journal for Research Publication and Seminar, 13(5), 611–642. https://doi.org/10.36676/jrps.v13.i5.1530.

- Tirupati, Krishna Kishor, Pattabi Rama Rao Thumati, Pavan Kanchi, Raghav Agarwal, Om Goel, and Aman Shrivastav. 2022. "Best Practices for Automating Deployments Using CI/CD Pipelines in Azure." International Journal of Computer Science and Engineering 11(1):141–164. ISSN (P): 2278–9960; ISSN (E): 2278–9979.

- Archit Joshi, Vishwas Rao Salunkhe, Shashwat Agrawal, Prof.(Dr) Punit Goel, & Vikhyat Gupta,. (2022). Optimizing Ad Performance Through Direct Links and Native Browser Destinations. International Journal for Research Publication and Seminar, 13(5), 538–571. https://doi.org/10.36676/jrps.v13.i5.1528.

- Sivaprasad Nadukuru, Rahul Arulkumaran, Nishit Agarwal, Prof.(Dr) Punit Goel, & Anshika Aggarwal. 2022. "Optimizing SAP Pricing Strategies with Vendavo and PROS Integration." International Journal for Research Publication and Seminar 13(5):572–610. https://doi.org/10.36676/jrps.v13.i5.1529.

- Nadukuru, Sivaprasad, Pattabi Rama Rao Thumati, Pavan Kanchi, Raghav Agarwal, and Om Goel. 2022. "Improving SAP SD Performance Through Pricing Enhancements and Custom Reports." International Journal of General Engineering and Technology (IJGET) 11(1):9–48.

- Nadukuru, Sivaprasad, Raja Kumar Kolli, Shanmukha Eeti, Punit Goel, Arpit Jain, and Aman Shrivastav. 2022. "Best Practices for SAP OTC Processes from Inquiry to Consignment." International Journal of Computer Science and Engineering 11(1):141–164. ISSN (P): 2278–9960; ISSN (E): 2278–9979. © IASET.

- Pagidi, Ravi Kiran, Siddhey Mahadik, Shanmukha Eeti, Om Goel, Shalu Jain, and Raghav Agarwal. 2022. "Data Governance in Cloud Based Data Warehousing with Snowflake." International Journal of Research in Modern Engineering and Emerging Technology (IJRMEET) 10(8):10. Retrieved from http://www.ijrmeet.org.

- Ravi Kiran Pagidi, Pramod Kumar Voola, Amit Mangal, Aayush Jain, Prof.(Dr) Punit Goel, & Dr. S P Singh. 2022. "Leveraging Azure Data Lake for Efficient Data Processing in Telematics." Universal Research Reports 9(4):643–674. https://doi.org/10.36676/urr.v9.i4.1397.

- Ravi Kiran Pagidi, Raja Kumar Kolli, Chandrasekhara Mokkapati, Om Goel, Dr. Shakeb Khan, & Prof.(Dr.) Arpit Jain. 2022. "Enhancing ETL Performance Using Delta Lake in Data Analytics Solutions." Universal Research Reports 9(4):473–495. https://doi.org/10.36676/urr.v9.i4.1381.

- Ravi Kiran Pagidi, Nishit Agarwal, Venkata Ramanaiah Chintha, Er. Aman Shrivastav, Shalu Jain, Om Goel. 2022. "Data Migration Strategies from On-Prem to Cloud with Azure Synapse." IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.9, Issue 3, Page No pp.308-323, August 2022. Available at: http://www.ijrar.org/IJRAR22C3165.pdf.

- Kshirsagar, Rajas Paresh, Nishit Agarwal, Venkata Ramanaiah Chintha, Er. Aman Shrivastav, Shalu Jain, & Om Goel. (2022). Real Time Auction Models for Programmatic Advertising Efficiency. Universal Research Reports, 9(4), 451–472. https://doi.org/10.36676/urr.v9.i4.1380

- Kshirsagar, Rajas Paresh, Shashwat Agrawal, Swetha Singiri, Akshun Chhapola, Om Goel, and Shalu Jain. (2022). "Revenue Growth Strategies through Auction Based Display Advertising." International Journal of Research in Modern Engineering and Emerging Technology, 10(8):30. Retrieved October 3, 2024 (http://www.ijrmeet.org).

- Phanindra Kumar, Venudhar Rao Hajari, Abhishek Tangudu, Raghav Agarwal, Shalu Jain, & Aayush Jain. (2022). Streamlining Procurement Processes with SAP Ariba: A Case Study. Universal Research Reports, 9(4), 603–620. https://doi.org/10.36676/urr.v9.i4.1395.

- Kankanampati, Phanindra Kumar, Pramod Kumar Voola, Amit Mangal, Prof. (Dr) Punit Goel, Aayush Jain, and Dr. S.P. Singh. (2022). "Customizing Procurement Solutions for Complex Supply Chains: Challenges and Solutions." International Journal of Research in Modern Engineering and Emerging Technology (IJRMEET), 10(8):50. Retrieved (https://www.ijrmeet.org).

- Ravi Kiran Pagidi, Rajas Paresh Kshir-sagar, Phanindra Kumar Kankanampati, Er. Aman Shrivastav, Prof. (Dr) Punit Goel, & Om Goel. (2022). Leveraging Data Engineering Techniques for Enhanced Business Intelligence. Universal Research Reports, 9(4), 561–581. https://doi.org/10.36676/urr.v9.i4.1392

- Rajas Paresh Kshirsagar, Santhosh Vijayabaskar, Bipin Gajbhiye, Om Goel, Prof.(Dr.) Arpit Jain, & Prof.(Dr) Punit Goel. (2022). Optimizing Auction Based Programmatic Media Buying for Retail Media Networks. Universal Research Reports, 9(4), 675–716. https://doi.org/10.36676/urr.v9.i4.1398

- Phanindra Kumar, Shashwat Agrawal, Swetha Singiri, Akshun Chhapola, Om Goel, Shalu Jain. "The Role of APIs and Web Services in Modern Procurement Systems," IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume 9, Issue 3, Page No pp.292-307, August 2022, Available at: http://www.ijrar.org/IJRAR22C3164.pdf

- Rajas Paresh Kshirsagar, Rahul Arulkumaran, Shreyas Mahimkar, Aayush Jain, Dr. Shakeb Khan, Prof.(Dr.) Arpit Jain. "Innovative Approaches to Header Bidding: The NEO Platform," IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume 9, Issue 3, Page No pp.354-368, August 2022, Available at: http://www.ijrar.org/IJRAR22C3168.pdf

- Phanindra Kumar Kankanampati, Siddhey Mahadik, Shanmukha Eeti, Om Goel, Shalu Jain, & Raghav Agarwal. (2022). Enhancing Sourcing and Contracts Management Through Digital Transformation. Universal Research Reports, 9(4), 496–519. https://doi.org/10.36676/urr.v9.i4.1382

- Satish Vadlamani, Raja Kumar Kolli, Chandrasekhara Mokkapati, Om Goel, Dr. Shakeb Khan, & Prof.(Dr.) Arpit Jain. (2022). Enhancing Corporate Finance Data Management Using Databricks And Snowflake. Universal Research Reports, 9(4), 682–602. https://doi.org/10.36676/urr.v9.i4.1394

- Satish Vadlamani, Nanda Kishore Gannamneni, Vishwasrao Salunkhe, Pronoy Chopra, Er. Aman Shrivastav, Prof.(Dr) Punit Goel, & Om Goel. (2022). Enhancing Supply Chain Efficiency through SAP SD/OTC Integration in S/4 HANA. Universal Research Reports, 9(4), 621–642. https://doi.org/10.36676/urr.v9.i4.1396

- Satish Vadlamani, Shashwat Agrawal, Swetha Singiri, Akshun Chhapola, Om Goel, & Shalu Jain. (2022). Transforming Legacy Data Systems to Modern Big Data Platforms Using Hadoop. Universal Research Reports, 9(4), 426–450. https://urr.shodhsagar.com/index.php/j/article/view/1379

- Satish Vadlamani, Vishwasrao Salunkhe, Pronoy Chopra, Er. Aman Shrivastav, Prof.(Dr) Punit Goel, Om Goel. (2022). Designing and Implementing Cloud Based Data Warehousing Solutions. IJRAR - International Journal of Research and Analytical Reviews (IJRAR), 9(3), pp.324-337, August 2022. Available at: http://www.ijrar.org/IJRAR22C3166.pdf

- Nanda Kishore Gannamneni, Raja Kumar Kolli, Chandrasekhara, Dr. Shakeb Khan, Om Goel, Prof. (Dr.) Arpit Jain. "Effective Implementation of SAP Revenue Accounting and Reporting (RAR) in Financial Operations," IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P-ISSN 2349-5138, Volume 9, Issue 3, Page No pp.338-353, August 2022, Available at: http://www.ijrar.org/IJRAR22C3167.pdf
Dave, Saurabh Ashwinikumar. (2022). Optimizing CICD Pipelines for Large Scale Enterprise Systems. International Journal of Computer Science and Engineering, 11(2), 267–290. doi: 10.5555/2278-9979.

- *Angular vs. React: A Comparative Study for Single Page Applications. International Journal of Computer Science and Programming, Vol.13, Issue 1, pp.875-894, 2023. [Link](http://rjpn ijcspub/viewpaperforall.php?paper=IJCSP23A1361)*

- *Modern Web Design: Utilizing HTML5, CSS3, and Responsive Techniques. The International Journal of Research and Innovation in Dynamics of Engineering, Vol.1, Issue 8, pp.a1-a18, 2023. [Link](http://tijer jnrid/viewpaperforall.php?paper=JNRID2308001)*

- *Creating Efficient ETL Processes: A Study Using Azure Data Factory and Databricks. The International Journal of Engineering Research, Vol.10, Issue 6, pp.816-829, 2023. [Link](http://tijer tijer/viewpaperforall.php?paper=TIJER2306330)*

- *Analyzing Data and Creating Reports with Power BI: Methods and Case Studies. International Journal of New Technology and Innovation, Vol.1, Issue 9, pp.a1-a15, 2023. [Link](http://rjpn ijnti/viewpaperforall.php?paper=IJNTI2309001)*

- *Leveraging SAP Commercial Project Management (CPM) in Construction Projects: Benefits and Case Studies. Journal of Emerging Trends in Networking and Robotics, Vol.1, Issue 5, pp.a1-a20, 2023. [Link](http://rjpn jetnr/viewpaperforall.php?paper=JETNR2305001)*

- *Enhancing Business Processes with SAP S/4 HANA: A Review of Case Studies. International Journal of New Technologies and Innovations, Vol.1, Issue 6, pp.a1-a12, 2023. [Insert DOI here]*

- *Dasaiah Pakanati, Prof.(Dr.) Punit Goel, Prof.(Dr.) Arpit Jain (2023). Optimizing Procurement Processes: A Study on Oracle Fusion SCM. IJRAR - International Journal of Research and Analytical Reviews (IJRAR), 10(1), 35-47. [Link](http://www.ijrar IJRAR23A3238.pdf)*

- *Pakanati, D., Goel, E. L., & Kushwaha, D. G. S. (2023). Implementing cloud-based data migration: Solutions with Oracle Fusion. Journal of Emerging Trends in Network and Research, 1(3), a1-a11. [Link](rjpn jetnr/viewpaperforall.php?paper=JETNR2303001)*

- *"Strategies for Product Roadmap Execution in Financial Services Data Analytics." (2023). International Journal of Novel Research and Development (IJNRD), 8(1), d750-d758. [Link](http://www.ijnrd papers/IJNRD2301389.pdf)*

- *"Advanced API Integration Techniques Using Oracle Integration Cloud (OIC)." (2023). International Journal of Emerging Technologies and Innovative Research (JETIR), 10(4), n143-n152. [Link](http://www.jetir papers/JETIR2304F21.pdf)*

- *Kolli, R. K., Goel, P., & Jain, A. (2023). MPLS Layer 3 VPNs in Enterprise Networks. Journal of Emerging Technologies and Network Research, 1(10), Article JETNR2310002. Link*

- *SHANMUKHA EETI, PRIYANSHI, PROF.(DR) SANGEET VASHISHTHA. (2023). Optimizing Data Pipelines in AWS: Best Practices and Techniques. International Journal of Creative Research Thoughts, 11(3), i351-i365. [Link](ijcrt papers/IJCRT2303992.pdf)*

- *Eeti, E. S., Jain, P. A., & Goel, E. O. (2023). "Creating robust data pipelines: Kafka vs. Spark," Journal of Emerging Technologies in Networking and Research, 1(3), a12-a22. [JETNR](rjpn jetnr/viewpaperforall.php?paper=JETNR2303002)*

- *Eeti, S., Jain, A., & Goel, P. (2023). "A comparative study of NoSQL databases: MongoDB, HBase, and Phoenix," International Journal of New Trends in Information Technology, 1(12), a91-a108. [IJNTI](rjpn ijnti/papers/IJNTI2312013.pdf)*

- *Mahimkar, E. S., Chhapola, E. A., & Goyal, M. (2023). "Enhancing TV audience rating predictions through linear regression models," Journal of New Research in Data Science, 1(3). doi:10.XXXX/JNRID2303002*

- *Shekhar, E. S., Jain, E. S., & Khan, D. S. (2023). "Effective product management for SaaS growth: Strategies and outcomes," Journal of New Research in Innovation and Development, 1(4), a1-a14. [JNRID](tijer jnrid/viewpaperforall.php?paper=JNRID2304001)*

- *Shekhar, E. S., Agrawal, D. K. K., & Jain, E. S. (2023). Integrating conversational AI into cloud platforms: Methods and impact. Journal of Emerging Trends in Networking Research, 1(5), a21-a36. JETNR2305002.pdf*

- *Chintha, E. V. R., Jain, P. K., & Jain, U. (2023). Call drops and accessibility issues: Multi-RAT networks analysis. Journal of Emerging Technologies and Network Research, 1(6), a12-a25. JETNR2306002.pdf*

- *Pamadi, V. N., Chhapola, A., & Agarwal, N. (2023). Performance analysis techniques for big data systems. International Journal of Computer Science and Publications, 13(2), 217-236. doi: 10.XXXX/IJCSP23B1501*

- *Pamadi, E. V. N., Goel, S., & Pandian, P. K. G. (2023). Effective resource management in virtualized environments. Journal of Emerging Technologies and Network Research, 1(7), a1-a10. [View Paper](rjpn jetnr/viewpaperforall.php?paper=JETNR2307001)*

- *FNU ANTARA, DR. SARITA GUPTA, PROF.(DR) SANGEET VASHISHTHA, "A Comparative Analysis of Innovative Cloud Data Pipeline Architectures: Snowflake vs. Azure Data Factory", International Journal of Creative Research Thoughts (IJCRT), 11(4), pp.j380-j391, April 2023. [View Paper](http://www.ijcrt papers/IJCRT23A4210.pdf)*

- *"Optimizing Modern Cloud Data Warehousing Solutions: Techniques and Strategies", International Journal of Novel Research and Development, 8(3), e772-e783, March 2023. [View Paper](http://www.ijnrd papers/IJNRD2303501.pdf)*

- *Chopra, E. P., Goel, E. O., & Jain, R. (2023). Generative AI vs. Machine Learning in cloud environments: An analytical comparison. Journal of New Research in Development, 1(3), a1-a17. [View Paper](tijer jnrid/viewpaperforall.php?paper=JNRID2303001)*

- *Antara, E. F. N., Khan, S., & Goel, O. (2023). Workflow management automation: Ansible vs. Terraform. Journal of Emerging Technologies and Network Research, 1(8), a1-a11. [View Paper](rjpn jetnr/viewpaperforall.php?paper=JETNR2308001)*

- *Antara, E. F., Jain, E. A., & Goel, P. (2023). Cost-efficiency and performance in cloud migration strategies: An analytical study. Journal of Network and Research in Distributed Systems, 1(6), a1-a13. [View Paper](tijer jnrid/viewpaperforall.php?paper=JNRID2306001)*

- *SWETHA SINGIRI,, AKSHUN CHHAPOLA,, LAGAN GOEL,, "Microservices Architecture with Spring Boot for Financial Services", International Journal of Creative Research Thoughts (IJCRT), ISSN:2320-2882, Volume.12, Issue 6, pp.k238-k252, June 2024, Available at :http://www.ijcrt papers/IJCRT24A6143.pdf*

- *Swetha, S., Goel, O., & Khan, S. (2023). Integrating data for strategic business intelligence to enhance data analytics. Journal of Emerging Trends and Novel Research, 1(3), a23-a34. https://rjpn.org/jetnr/viewpaperforall.php?paper=JETNR2303003*

- *"Singiri, S., Goel, P., & Jain, A. (2023). Building distributed tools for multi-parametric data analysis in health. Journal of Emerging Trends in Networking and Research, 1(4), a1-a15. Published URL: rjpn jetnr/viewpaperforall.php?paper=JETNR2304001"*

- *Singiri, E. S., Gupta, E. V., & Khan, S. (2023). Comparing AWS Redshift and Snowflake for data analytics: Performance and usability. International Journal of New Technologies and Innovations, 1(4), a1-a14. rjpn ijnti/viewpaperforall.php?paper=IJNTI2304001*

- *Singiri, Swetha, Shalu Jain, and Pandi Kirupa Gopalakrishna Pandian. 2024. "Modernizing Legacy Data Architectures with Cloud Solutions: Approaches and Benefits." International Research Journal of Modernization in Engineering Technology and Science 6(8):2608. https://doi.org/10.56726/IRJMETS61252.*

- *HARSHITA CHERUKURI, VIKHYAT GUPTA, DR. SHAKEB KHAN, "Predictive Maintenance in Financial Services Using AI", International Journal of Creative Research Thoughts (IJCRT), ISSN:2320-2882, Volume.12, Issue 2, pp.h98-h113, February 2024, Available at :http://www.ijcrt papers/IJCRT2402834.pdf*

- *"Strategies for Product Roadmap Execution in Financial Services Data Analytics", International Journal of Novel Research and Development (www.ijnrd.org), ISSN:2456-4184, Vol.8, Issue 1, page no.d750-d758, January-2023, Available :http://www.ijnrd papers/IJNRD2301389.pdf*

143

- *"Customer Satisfaction Improvement with Feedback Loops in Financial Services", International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.11, Issue 5, page no.q263-q275, May 2024, Available :http://www.jetir papers/JETIR2405H38.pdf*
- *Cherukuri, H., Pandey, P., & Siddharth, E. (2020). Containerized data analytics solutions in on-premise financial services. International Journal of Research and Analytical Reviews (IJRAR), 7(3), 481-491. http://www.ijrar viewfull.php?&p_id=IJRAR19D5684*
- *Cherukuri, H., Singh, S. P., & Vashishtha, S. (2020). Proactive issue resolution with advanced analytics in financial services. The International Journal of Engineering Research, 7(8), a1-a13. tijer tijer/viewpaperforall.php?paper=TIJER2008001"*
- *"Optimizing Data Processing for Financial Services Platforms*
- *Author : Harshita Cherukuri1, Villa 188, My Home Ankura, Sector B, Radial Road-7, Exit No 2, Tellapur, Cyberabad-sangareddy, 502032, Telangana, India , Dr. Bhawna Goel , Dr. Poornima Tyagi*
- *DOI LINK : 10.56726/IRJMETS60903 doi 10.56726/IRJMETS60903"*
- *Cherukuri, H., Goel, E. L., & Kushwaha, G. S. (2021). Monetizing financial data analytics: Best practice. International Journal of Computer Science and Publication (IJCSPub), 11(1), 76-87. rjpn ijcspub/viewpaperforall.php?paper=IJCSP21A1011*
- *Cherukuri, H., Chaurasia, A. K., & Singh, T. (2024). Integrating machine learning with financial data analytics. Journal of Emerging Trends in Networking and Research, 1(6), a1-a11. rjpn jetnr/viewpaperforall.php?paper=JETNR2306001*
- *Cherukuri, H., Goel, P., & Renuka, A. (2024). Big-Data tech stacks in financial services startups. International Journal of New Technologies and Innovations, 2(5), a284-a295. rjpn ijnti/viewpaperforall.php?paper=IJNTI2405030*
- *Cherukuri, H. (2024). AWS full stack development for financial services. International Journal of Emerging Development and Research (IJEDR), 12(3), 14-25. rjwave ijedr/papers/IJEDR2403002.pdf*
- *Alahari, Jaswanth, Amit Mangal, Swetha Singiri, Om Goel, and Punit Goel. 2023. "The Impact of Augmented Reality (AR) on User Engagement in Automotive Mobile Applications." Innovative Research Thoughts 9(5):202–12. doi:10.36676/irt.v9.i5.1483.*
- *Vijayabaskar, Santhosh, Amit Mangal, Swetha Singiri, A. Renuka, and Akshun Chhapola. 2023. "Leveraging Blue Prism for Scalable Process Automation in Stock Plan Services." Innovative Research Thoughts 9(5):216. doi: https://doi.org/10.36676/irt.v9.i5.1484.*
- *Mahadik, Siddhey, Amit Mangal, Swetha Singiri, Akshun Chhapola, and Shalu Jain. 2022. "Risk Mitigation Strategies in Product Management." International Journal of Creative Research Thoughts (IJCRT) 10(12):665.*
- *"Automated Network Configuration Management." (March 2023). International Journal of Emerging Technologies and Innovative Research, 10(3), i571-i587. JETIR*
- *"A Comparative Study of Agile, Iterative, and Waterfall SDLC Methodologies in Salesforce Implementations", International Journal of Novel Research and Development, Vol.8, Issue 1, page no.d759-d771, January 2023. http://www.ijnrd papers/IJNRD2301390.pdf*
- *"Applying Principal Component Analysis to Large Pharmaceutical Datasets", International Journal of Emerging Technologies and Innovative Research (JETIR), ISSN:2349-5162, Vol.10, Issue 4, page no.n168-n179, April 2023. http://www.jetir papers/JETIR2304F24.pdf*
- *Daram, S., Renuka, A., & Kirupa, P. G. (2023). Best practices for configuring CI/CD pipelines in open-source projects. Journal of Emerging Trends in Networking and Robotics, 1(10), a13-a21. rjpn jetnr/papers/JETNR2310003.pdf*
- *Chinta, U., Goel, P. (Prof. Dr.), & Renuka, A. (2023). Leveraging AI and machine learning in Salesforce for predictive analytics and customer insights. Universal Research Reports, 10(1). https://doi.org/10.36676/urr.v10.i1.1328*
- *Bhimanapati, S. V., Chhapola, A., & Jain, S. (2023). Optimizing performance in mobile applications with edge computing. Universal Research Reports, 10(2), 258. https://urr.shodhsagar.com*
- *Chinta, U., Goel, O., & Jain, S. (2023). Enhancing platform health: Techniques for maintaining optimizer, event, security, and system stability in Salesforce. International Journal for Research Publication & Seminar, 14(4). https://doi.org/10.36676/jrps.v14.i4.1477*
- *"Implementing CI/CD for Mobile Application Development in Highly Regulated Industries", International Journal of Novel Research and Development, Vol.8, Issue 2, page no.d18-d31, February 2023. http://www.ijnrd papers/IJNRD2302303.pdf*
- *Avancha, S., Jain, S., & Pandian, P. K. G. (2023). Risk management in IT service delivery using big data analytics. Universal Research Reports, 10(2), 272.*
- *"Advanced SLA Management: Machine Learning Approaches in IT Projects". (2023). International Journal of Novel Research and Development, 8(3), e805–e821. http://www.ijnrd papers/IJNRD2303504.pdf*
- *"Advanced Threat Modeling Techniques for Microservices Architectures". (2023). IJNRD, 8(4), h288–h304. http://www.ijnrd papers/IJNRD2304737.pdf*
- *Gajbhiye, B., Aggarwal, A., & Goel, P. (Prof. Dr.). (2023). Security automation in application development using robotic process automation (RPA). Universal Research Reports, 10(3), 167. https://doi.org/10.36676/urr.v10.i3.1331*
- *Khatri, D. K., Goel, O., & Garg, M. "Data Migration Strategies in SAP S4 HANA: Key Insights." International Journal of Novel Research and Development, 8(5), k97-k113. Link*
- *Khatri, Dignesh Kumar, Shakeb Khan, and Om Goel. "SAP FICO Across Industries: Telecom, Manufacturing, and Semiconductor." International Journal of Computer Science and Engineering, 12(2), 21–36. Link*
- *Bhimanapati, V., Gupta, V., & Goel, P. "Best Practices for Testing Video on Demand (VOD) Systems." International Journal of Novel Research and Development (IJNRD), 8(6), g813-g830. Link*
- *Bhimanapati, V., Chhapola, A., & Jain, S. "Automation Strategies for Web and Mobile Applications in Media Domains." International Journal for Research Publication & Seminar, 14(5), 225. Link*
- *Bhimanapati, V., Jain, S., & Goel, O. "Cloud-Based Solutions for Video Streaming and Big Data Testing." Universal Research Reports, 10(4), 329.*
- *Murthy, K. K. K., Renuka, A., & Pandian, P. K. G. (2023). "Harnessing Artificial Intelligence for Business Transformation in Traditional Industries." International Journal of Novel Research and Development (IJNRD), 8(7), e746-e761. IJNRD*
- *Cheruku, S. R., Goel, P. (Prof. Dr.), & Jain, U. (2023). "Leveraging Salesforce Analytics for Enhanced Business Intelligence." Innovative Research Thoughts, 9(5). DOI:10.36676/irt.v9.15.1462*
- *Murthy, K. K. K., Goel, O., & Jain, S. (2023). "Advancements in Digital Initiatives for Enhancing Passenger Experience in Railways." Darpan International Research Analysis, 11(1), 40. DOI:10.36676/dira.v11.i1.71*