LIKHIT PRASHANT CHAUDHARI

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EDUCATION

Master of Science in Information Technology and Management ***January 2023-August 2025***
The University of Texas at Dallas, Dallas, Texas.
CGPA: 3.4/4.0

Bachelor of Engineering in Mechanical Engineering Hons in Robotics ***July 2018-July 2022***
University of Pune, Pune, India
CGPA: 8.5/10.0

WORK EXPERIENCE

Business Analyst Intern | *Sigma Calibration Labs., India* ***February 2023-August 2023***

- Made analytical models using python and SQL that improved the accuracy of inventory forecasts by 20%. This initiative directly contributed to a reduction in stock shortages by 18%, ensuring optimal inventory levels.
- Designed dashboards in Tableau and Power BI, integrating visual analytics and forecasts for real-time performance monitoring, achieving a 25% reduction in decision-making time and a 15% boost in efficiency.
- Made a data driven analysis project that scrutinized procurement and logistics operations. By identifying inefficiencies and negotiating better terms with suppliers, achieved a 12% reduction in overall supply chain costs.
- Partnered with the operations team to implement a new strategic framework that increased the on-time delivery rate from suppliers to 92%. This was obtained by enhancing supplier performance tracking and supplier selection based on data driven insights.

SKILLS

- **Languages:** Python, R, SQL
- **Database:** MS Excel, MySQL, NoSQL, SAP
- **Python:** Numpy, Scikit-learn, TensorFlow, Pandas, Matplotlib, OpenCV
- **Tools:** PowerBI, Tableau, Microsoft Office Suite

PROJECTS

Stock Probability Model for Inventory Optimization

- Integrated safety stock levels and demand variability into the model This strategy was tailored for items with high demand variability, which significantly reduced the risk of stockouts by 30% during peak demand periods.
- The model achieved a 91% accuracy rate in predicting stockout risks for high demand products. It was instrumental in reducing stockout incidents by 40% leading to an estimated annual savings of $200,000 in lost sales.

Supplier Performmance Analysis

- Developed an excel based supplier evaluation model utilizing weighted criteria for delivery timeliness, cost effectiveness and quality, which improved supply chain reliability by 15%.
- Implemented an interactive Power BI dashboard to visualize supplier performance and trends, improving procurement efficiency by 20%. Applied supplier scorecards and Pareto analysis, streamlining evaluations and boosting supply chain efficiency by 25%.

Amazon Prime-Netflix Data Analysis

- Lead a detailed comparative analysis of Amazon Prime and Netflix using PowerBI, highlighting a year over year subscriber growth rate of 15% for Netflix compared to 10% for Amazon Prime, a 20% annual revenue increase for Amazon Prime, and Netflix's content acquisition spending of USD 5 billion.
- Conducted an extensive operational data analysis of Amazon Prime and Netflix, uncovering that Netflix maintains an average user retention rate of 85% versus Amazon Prime's 75% and noted a % increase in profitability per user for Amazon Prime, alongside Netflix's expansion into three new countries.

Machine Learning-Driven Fraud Detection in Financial Systems

- Developed an ensemble model using LightGBM, detecting fraudulent activities in 250K+ transactions with an 85% recall rate, helping identify potential fraud cases and reduce losses by $50K.
- Designed an anomaly detection pipeline leveraging Python and SQL, integrating insights into Power BI dashboards for real-time monitoring, enhancing detection efficiency by 25%.

CERTIFICATIONS

- Google Business Intelligence Professional Certification
- Six Sigma White Belt Certification
- Python for Data Science and AI Development
- Google Project Management Professional Certificate
- Programming for Everybody (University of Michigan)