Ram Polisetti

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SUMMARY: Dynamic and results-driven Operations Manager with over 2 years of experience in software engineering, web/mobile application development, and agile methodologies.

EDUCATION

Data Science — *Master of Science* SEPT 2022 - JAN 2024

State University of New York (UB), Buffalo, NY

SKILLS

Python, R, SQL, Tableau, Amazon Redshift, Amazon Quicksight, Machine Learning, Data Analysis & Visualization, Operations Management, Inventory Management, Supply Chain Optimization, Logistics Management, KPI Tracking, Root Cause Analysis, Team Leadership

WORK EXPERIENCE

Data Analyst — *JerseyStem, New Jersey* MAR 2024 - PRESENT

- Spearheaded the optimization of data processing workflows, resulting in a 25% reduction in data processing time and a 15% increase in data quality, saving the company $30,000 annually.
- Facilitated the development of data visualizations to communicate insights to stakeholders, achieving a 90% adoption rate among business users and a 20% increase in data-driven decision-making, leading to a 12% increase in sales revenue.

Transportation Specialist — *Amazon Inc., Hyderabad, India* NOV 2020 - JUL 2022

- Streamlined transportation operations by identifying and eliminating inefficiencies, resulting in a 15% reduction in transportation costs and a 10% increase in on-time delivery rates, saving the company $150,000 annually.
- Collaborated with transportation teams to design and implement process improvements, achieving a 20% reduction in transit times and a 15% increase in route optimization, leading to a 10% reduction in fuel consumption.
- Negotiated with transportation providers to secure better rates and service levels, resulting in a 12% reduction in costs and a 10% increase in capacity utilization, saving the company $100,000 annually.
- Orchestrated the implementation of transportation management systems and tools, achieving a 25% reduction in manual errors and a 15% increase in productivity, leading to a 10% reduction in operational costs.

Analyst Intern — *National Instruments* NOV 2018 - FEB 2020

- Built and deployed predictive models using statistical and machine learning techniques, achieving a 90% accuracy rate in forecasting product demand and a 15% reduction in inventory costs, saving the company $50,000 annually.
- Investigated manufacturing data to identify opportunities for process improvements and cost savings, resulting in a 10% reduction in production costs and a 5% increase in product quality, leading to a 5% increase in sales revenue.
- Enhanced dashboards and reports to track key performance indicators (KPIs) and metrics, achieving a 95% completion rate for reports and a 10% increase in data-driven decision-making, leading to a 5% increase in sales revenue.

TECHNICAL PROJECTS

Advanced Supply Chain Freight Analytics Dashboard — *SQL, Python, Tableau, Redshift, Quicksight*

- Developed a dashboard providing real-time insights into transportation and supply chain operations, using **SQL**, **Python**, and **Tableau**.
- Conducted in-depth transportation data analysis, identifying key trends and patterns to optimize route efficiency and carrier performance.
- Established and monitored KPIs to measure transportation performance, contributing to improvement in delivery times and cost savings.
- Performed root cause analysis to address transportation inefficiencies, leading to a 15% reduction in logistical bottlenecks.
- Effectively communicated complex data insights to stakeholders through regular reports and presentations, enhancing decision-making processes.

Strategic Route Optimization and Cost Minimization — *Python, Plotly, SQL, Monte Carlo Simulation*

- Engineered a network optimization strategy using **NetworkX**, delineating 30 critical plant-port connections, thereby enhancing logistical efficiency and reducing route costs.
- Created a constraint-based allocation model for 50+ products and 30 customers, achieving a 100% adherence to Vendor Managed Inventory (VMI) protocols and minimizing supply discrepancies.
- Improved decision-making processes by developing interactive dashboards with **Plotly**, providing stakeholders with clear insights for strategic supply chain decision-making.