Ram Polisetti

rampolisettius@gmail.com | 716-256-7258 | ram-polisetti | ram-polisetti

Summary: Highly motivated and detail-oriented **Data Analyst** with experience driving business growth and improvement through data-driven insights. Skilled in **Data Analysis**, **Machine Learning**, and **Data Visualization**, with a strong background in **Operations Optimization**. Proven skills in **generating actionable reports** and **dashboards**, and effectively **communicating data insights to stakeholders**.

Education

Data Science — *Master of Science* Sept 2022 - Jan 2024
State University of New York (UB), Buffalo, NY

Skills

Machine Learning, Deep Learning, Natural Language Processing, Predictive Modeling, Data Mining, Statistical Analysis, Data Visualization, Python, R, SQL, TensorFlow, PyTorch, Scikit-learn, Keras, Tableau, Power BI, AWS, Azure, Big Data, Spark, Data Wrangling, Data Preprocessing, Feature Engineering, Model Evaluation, Model Deployment

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**. Utilized **Python**, **SQL**, and **Tableau** to drive insights and inform business decisions.
- 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.

Transportation Specialist — *Amazon Inc., Hyderabad, India* Nov 2020 - Jul 2022
- Streamlined transportation operations by identifying and eliminating inefficiencies, resulting in a **15% decrease** in transportation costs and a **10% improvement** in on-time delivery rates, saving the company **$150,000 annually**. Utilized **Excel**, **SQL**, and **Quicksight** to analyze and optimize transportation data.
- Collaborated with transportation teams to design and implement process improvements, increasing route optimization by **15%** and reducing fuel consumption by **10%**.
- Negotiated with transportation providers to secure better rates and service levels, resulting in a **12% cost savings** and a **10% increase** in capacity utilization, saving the company **$100,000 annually**.
- Orchestrated the implementation of transportation management systems and tools, improving productivity by **15%** and reducing manual errors by **25%**, 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. Utilized **Python**, and **SQL** to develop and deploy predictive models.
- 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.
- 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.

Technical Projects

Fraud Detection System — *Machine Learning, Ensemble Methods, Deep Learning, Apache Spark, AWS*
- Developed and deployed an advanced fraud detection system utilizing **ensemble methods**, achieving **92% accuracy** on test data and demonstrating practical experience in cloud-based machine learning operations.
- Designed and implemented robust data pipelines using **Apache Spark** to efficiently process and analyze datasets, enabling scalable and reliable data processing.
- Applied **end-to-end machine learning workflow**, from data preprocessing to model evaluation and deployment, ensuring a comprehensive and structured approach to machine learning operations.

Data Engineer — *E-Commerce Sales Data Pipeline* -
- Captained the design and implementation of a comprehensive data pipeline for automating the ingestion, processing, and storage of e-commerce sales data across multiple sources, utilizing **Python**, **Apache Spark**, **PostgreSQL**, and **Tableau**.
- Leveraged **Apache Spark** for high-efficiency data processing, achieving a 20% improvement in processing speed, and developed a sophisticated **PostgreSQL** database schema for optimal data storage and retrieval.
- Utilized **Tableau** to create dynamic, interactive dashboards providing deep insights into sales trends, customer behavior, and inventory management.