Ram Polisetti

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SUMMARY: Highly motivated and detail-oriented Entry Level Software Engineer with a strong foundation in computer science and software development. Proficient in a range of programming languages, including Java, Python, and SQL. Excellent communication skills and a strong desire for continuous learning and improvement.

EDUCATION

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

SKILLS

Java, Python, SQL, C, Salesforce, Tableau, PowerBI, Operating Systems(Windows, Linux), Agile methodologies, Git, Cloud platforms(Google Cloud Engine, Microsoft Azure)

WORK EXPERIENCE

Data Analyst — *JerseyStem, New Jersey*   MAR 2024 - PRESENT
- Designed and implemented data pipelines to ingest, process, and store large datasets, resulting in a **25% reduction** in data processing time and a **15% increase** in data quality.
- Developed and deployed data visualizations using **Tableau** 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
- Built and maintained large-scale data systems to analyze and optimize transportation operations, resulting in a **15% decrease** in transportation costs and a **10% improvement** in on-time delivery rates.
- Developed and implemented data integration solutions using **SQL** and **Excel** to combine data from multiple sources, achieving a **12% cost savings** and a **10% increase** in capacity utilization.
- Collaborated with cross-functional teams to design and implement data-driven solutions, resulting in a **15% increase** in productivity and a **25% reduction** in manual errors.

Analyst Intern — *National Instruments*   NOV 2018 - FEB 2020
- Built predictive models using statistical and machine learning techniques, achieving a **90% accuracy rate** in forecasting product demand and a **15% reduction** in inventory costs. Developed and deployed predictive models using **Python** and **SQL**.
- Identified 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.

TECHNICAL PROJECTS

E-Commerce Sales Data Pipeline — *Python, Apache Spark, PostgreSQL, Tableau*
- 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.
- 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.

Real-Time Social Media Trend Analysis Platform — *Kafka, NLTK, Scikit-learn, MongoDB, PowerBI*
- Developed a platform for real-time analysis of social media data, applying **Kafka** for efficient stream processing, **NLTK** and **Scikit-learn** for sentiment analysis, achieving **85% accuracy** in sentiment classification.
- Implemented **MongoDB** for scalable data storage, allowing for rapid data retrieval.
- Designed and deployed **Power BI** dashboards for real-time visualization of social media trends and sentiments, enabling stakeholders to make informed decisions based on current public opinion.

CERTIFICATIONS

Career Essentials in Data Analysis — *Microsoft*

Docker Essentials — *IBM*

Salesforce Sales Operations Professional Certificate — *Coursera - Ongoing*