Lalitha Samyuktha Jayanthi

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Summary

Recent graduate with a Bachelor's in Computer Science, specializing in Data Science, with strong proficiency in SQL Server, Python, and data analysis. Passionate about ensuring data accuracy, integrity, and security while building optimized pipelines and dashboards. Quick learner with a sense of urgency and ownership, demonstrated through innovative projects in lead generation, BI reporting, and AI-driven optimization. Eager to contribute to SQL database management, Python (Kedro) pipelines, and Power BI tools in a dynamic team environment.

Skills

Core Technical Skills: SQL Server database management, Python (including Kedro pipelines), Data analysis and visualization,
Tools and Technologies: Power BI, Artificial Intelligence and Machine Learning (scikit-learn, TensorFlow), PySpark, AWS.
Soft Skills: Quick learner, Collaborator, Strong sense of urgency and ownership, Problem-solving and critical thinking.
Other: Documentation and training creation, Git for version control, Agile methodologies.

Projects

Python-Based Lead Generation Pipeline (Kedro Framework)
Led the development and maintenance of a Python Kedro pipeline for automated lead generation, simulating a "Harvest Growth" program by scraping and processing web data to identify business opportunities.
Ensured data accuracy and integrity by implementing validation checks and security measures .
Created comprehensive documentation and training materials, including step-by-step guides and video tutorials, to facilitate easy onboarding for potential collaborators.

SQL Database Management System for Business Analytics
Designed and managed a SQL Server database for a simulated e-commerce platform, ensuring data accuracy, integrity, and security through indexing, backups, and role-based access controls.
Made dynamic adjustments based on business requirements, such as schema updates to handle new product categories.
Performed data analysis to identify trends, resolving integrity issues that improved query response time by 35%.

Power BI Dashboards for Growth and Pricing Insights
Collaborated on a mock business scenario to enhance and maintain Power BI dashboards for growth initiatives, visualizing sales data and pricing trends from SQL datasets.
Integrated Python scripts for data preprocessing, creating interactive reports that supported decision-making for pricing strategies.
Incorporated AI/ML elements to forecast pricing adjustments, achieving 85% accuracy in predictive models.

AI/ML-Enhanced Data Visualization Tool
Built a Python-based tool using scikit-learn for machine learning-driven data analysis, focusing on quick learning and adaptation to new datasets.
Visualized results in Power BI, emphasizing collaboration by sharing insights with a team of 4 during the hackathon.
Optimized for urgency, completing the project in 48 hours and winning 2nd place for innovative problem-solving in real-time analytics.

Certifications

Python for Data Science.

Google Data Analytics.

SQL for Data Analysis.

Microsoft Power BI fundamentals.

Microsoft Azure Data Fundamentals.

Data Analytics by Jobaaj Learnings.