Lalitha Samyuktha Jayanthi

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Value Proposition

Data Science graduate with a strong foundation in data analytics and data engineering concepts. Eager to leverage technical skills in SQL, Python, cloud platforms (Azure and AWS), AI/ML, Git, and Power BI to contribute to innovative projects in a fast-paced environment. Proven problem-solving and analytical thinking through hands-on projects, with excellent communication and teamwork skills to collaborate effectively.

Education

- B. Tech | CSE-Data Science | Avanthi Institute of Engineering and Technology | 2025 | 7.88 CGPA
- Intermediate | Sri Chaitanya Jr. College | 2021 | 9.12 CGPA
- Tenth | Sri Chaitanya School | 2019 | 9.5 CGPA

Technical Proficiencies

- SQL : Proficient in writing and troubleshooting complex SQL queries for data manipulation and analysis.
- Cloud : Hands-on experience with Azure (Data Factory, Blob Storage) and AWS (S3, EC2).
- AI/ML Concepts: Awareness of machine learning algorithms, including supervised learning and predictive modeling.
- Python: Familiarity with scripting and automation tasks using libraries like Pandas, NumPy, and Scikit-learn.
- Version Control (Git): Understanding of basic Git operations, including branching, merging, and collaboration on repositories.
- Data Visualization Tools: Knowledge of Power BI for creating interactive dashboards and reports.
- Other: Exposure to data analytics, data engineering concepts, and ticketing systems like Jira for project management.

Projects

Healthcare Data Analytics Dashboard (Power BI and SQL)
- Developed an interactive dashboard using Power BI to visualize patient data trends, incorporating SQL queries to extract and troubleshoot data from a simulated database of 10,000+ records.
- Integrated data from multiple sources, demonstrating strong problem-solving and analytical thinking to identify insights like treatment efficacy rates.
- Collaborated with a team of 3 peers via Git for version control, ensuring seamless updates and merges.
- Outcome: Reduced data query time by 40% through optimized SQL scripts; presented findings to simulate stakeholder communication, showcasing eagerness to learn in a team setting.

Cloud-Based AI/ML Predictive Model (Python, Azure, AWS)
- Built a machine learning model using Python (Scikit-learn) to predict customer churn, incorporating AI/ML concepts like regression and classification algorithms.
- Deployed the model on Azure Machine Learning for training and AWS S3 for data storage, gaining exposure to cloud environments for scalable data engineering tasks.
- Automated data preprocessing scripts in Python, handling datasets of 5,000+ entries, and used Git for tracking changes during development.

- Outcome: Achieved 85% accuracy in predictions; documented the project in a report, highlighting interpersonal skills through peer reviews and iterative improvements in a collaborative fast-paced simulation.

E-Commerce Data Engineering Pipeline (SQL, Python, Jira)
- Designed a data pipeline using Python scripting for automation and SQL for querying sales data, simulating data engineering concepts like ETL processes.
- Utilized AWS for cloud storage and Azure for basic analytics, troubleshooting SQL queries to handle data inconsistencies.
- Managed project tasks with Jira as a ticketing system, practicing version control with Git for code commits.
- Outcome: Processed and visualized 2,000+ transaction records in Power BI, uncovering sales patterns; demonstrated analytical thinking by optimizing queries for efficiency, and communicated results in a team demo to foster collaborative learning.

Internships & Simulations

- AI Intern – AIMER Society | 8 Weeks
- ML Intern – Indian Servers | 8 Weeks
- Data Science Intern – Yhills | 8 Weeks
- Data Science Intern – Prodigy | 4 Weeks
- Job Simulation – TCS | Forage Plat form

Certifications

- Infosys Springboard certification in Software Engineering and Agile development.
- Google Cloud Gen AI.
- Data Analytics by Jobaaj Learnings.
- SQL by Oracle.
- Java by Oracle.

Soft Skills and Additional Information

- Strong Problem-Solving and Analytical Thinking: Applied in projects to debug code and derive data insights.

- Good Communication and Interpersonal Skills: Presented project outcomes and collaborated on team-based developments.

- Eagerness to Learn and Grow: Actively pursued online courses in AI/ML and cloud technologies to stay current in a fast-paced tech landscape.

- Ability to Work Collaboratively: Contributed to group projects, ensuring timely deliverables through effective teamwork.