Lalitha Samyuktha Jayanthi

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Value Proposition

Data Science graduate with hands-on experience in cloud-native environments, distributed systems, and data-driven troubleshooting. Passionate about using data to optimize processes, uncover insights, and drive strategic decisions. Seeking to contribute analytical rigor and creative problem-solving to a dynamic team focused on operational excellence.

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

- **Programming**: Python, Java, SQL.
- **Data:** Pandas, NumPy, Matplotlib, Excel, Power BI
- **Cloud Platforms:** AWS (EC2, S3, CloudWatch), Azure, ServiceNow
- **Infrastructure:** Docker, Linux, Git
- **Security & Monitoring:** Basic IAM, log analysis, anomaly detection
- **Soft Skills:** Critical thinking, communication, collaboration, presentation

Projects

CloudOps Insight Dashboard
- Built a Python-based dashboard to analyze and visualize system logs from distributed Linux containers.
- Used Pandas and Matplotlib to detect anomalies, resource bottlenecks, and performance trends.
- Deployed on AWS EC2 with automated log ingestion from S3 buckets.
- **Impact**: Simulated cost-saving recommendations and performance improvements for ML workflows.

Anomaly Detection in ML Pipelines
- Designed a monitoring system for TensorFlow Distributed training jobs using custom Python scripts.
- Implemented log parsing and statistical analysis to identify failed nodes and latency spikes.
- Presented findings to faculty with actionable strategies to improve training efficiency.
- **Tools**: TensorFlow, Python, Bash, CloudWatch

Customer Support Analytics Prototype
- Collaborated on a tool that aggregates customer support tickets and identifies recurring issues using NLP.
- Used Python and basic ML models to classify sentiment and urgency.
- Contributed documentation and troubleshooting guides for new users.
- **Outcome**: Helped reduce average resolution time in simulated support scenarios.

Internships & Simulations

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

Certifications

Google Cloud Gen AI.
Data Analytics by Jobaaj
SQL by Oracle.
Microsoft Azure Fundamentals