Lalitha Samyuktha Jayanthi

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Value Proposition

Data Science graduate, passionate about data engineering and cloud-native technologies. Seeking to contribute to mission of delivering modern data and AI solutions. Eager to learn, collaborate, and grow within agile teams while building scalable data platforms using tools like Databricks, AWS, and Python.

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

Languages: Python, SQL, Java
Cloud Platforms: AWS (EC2, S3, Lambda), Azure (Basics)
Data Engineering Tools: Apache Spark, Hive, Databricks (Basics), Pandas, NumPy
DevOps & CI/CD: Docker, Git, GitHub Actions
Databases: MySQL, PostgreSQL
Concepts: ETL Pipelines, Data Warehousing, REST APIs, Agile Methodologies

Projects

1. Scalable Resume Ranker (NLP + Cloud)

- Built an AI-powered resume ranking system using Python and BERT
- Deployed on AWS using EC2 and Lambda for serverless processing
- Integrated with a web dashboard for recruiters; achieved 85% match accuracy

2. Real-Time Emotion Detection System

- Developed a computer vision pipeline using OpenCV and TensorFlow
- Containerized with Docker for scalable deployment
- Used for sentiment analytics in entertainment demos

3. Distributed ML Training Pipeline

- Prototyped scalable training using PyTorch DDP and TensorFlow Distributed
- Monitored performance with Prometheus and Grafana
- Reduced training time by 40% compared to single-node setups

4. Data Pipeline for Student Analytics

- Created an ETL pipeline using Apache Spark and Hive

- Processed student engagement data for academic insights

- Deployed on AWS S3 and visualized results using Matplotlib

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.

Strengths

- Strong foundation in programming, data structures, and cloud tools
- Quick learner with a collaborative mindset and excellent communication skills
- Passionate about building scalable, real-world data solutions