

Lalitha Samyuktha Jayanthi

+91 7569606146

samyukthajayanthi09@gmail.com

Visakhapatnam

Value Proposition

Motivated and technically adept Data Science graduate with hands-on experience in building scalable data engineering and ML solutions. Seeking an entry-level Data Engineer role to contribute to impactful analytics projects using big data, cloud, and modern data warehousing tools.

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 Languages: Python, Java, SQL, Scala (basic).

Cloud & DevOps: Microsoft Azure (Blob, VM, Functions), Docker, GitHub Actions.

Big Data Ecosystem: Hadoop, Spark (RDD, SQL), Hive, Kafka (basic), Sqoop.

Databases: SQL Server, MySQL, MongoDB, Cassandra (basic), HBase (basic).

Data Modeling & Warehousing: ER Models, Snowflake Schema, Fact/Dimension Tables, Data Marts.

Scripting & Automation: Unix Shell Scripting.

Collaboration & Agile: Scrum, Jira, Confluence.

Visualization & Reporting: Microsoft Excel, PowerPoint, Matplotlib, Seaborn.

Projects

AI-Powered Resume Ranker (NLP + Azure + SQL)

- Built an end-to-end resume ranking system using Python, Scikit-learn, and BERT embeddings.
- Deployed on Microsoft Azure using Azure Functions and Blob Storage.
- Stored metadata and candidate profiles in SQL Server; created de-normalized views for fast querying.

Real-Time Emotion Detection System (Computer Vision + Docker)

- Developed a facial emotion recognition pipeline using OpenCV and TensorFlow.
- Containerized the application using Docker and deployed on Azure VM.
- Logged predictions and metadata into MongoDB for analysis and dashboarding.

Distributed ML Training Pipeline (PyTorch DDP + Spark + Prometheus)

- Prototyped a scalable ML training pipeline using PyTorch Distributed Data Parallel and Apache Spark.
- Integrated Prometheus for real-time monitoring and alerting.
- Designed data marts and fact tables for model performance tracking.

AI Chatbot for Student Support (Rasa + BERT + SQL)

- Engineered a contextual chatbot using Rasa and fine-tuned BERT for intent classification.
- Stored conversation logs in MySQL; created dimensional models for analytics.
- Presented metadata documentation and insights to academic stakeholders.

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 Platform

Certifications

- Microsoft Azure Fundamentals.
- Big Data Specialization – Coursera.
- Infosys Springboard certification in Software Engineering and Agile development.
- Google Cloud Gen AI.
- Data Analytics by Jobaaj Learnings.
- SQL by Oracle.
- Java by Oracle.

Additional Highlights

- Passionate about solving real-world problems in healthcare using data.
- Strong foundation in data quality control, metadata management, and scalable architecture.
- Quick learner with a proactive mindset and a knack for simplifying complex systems.