

Lalitha Samyuktha Jayanthi

☎ +91 7569606146

✉ samyukthajayanthi09@gmail.com

📍 Visakhapatnam

Value Proposition

Passionate Data Science graduate with strong foundations in machine learning, natural language processing (NLP), and software engineering. Demonstrated ability to design, build, and deploy data-driven solutions through academic coursework and hands-on projects. Skilled in Python, ML frameworks, data wrangling, and cloud technologies. Adept at collaborating cross-functionally and eager to contribute to innovative AI platforms in real-world settings.

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 3, SQL, Pandas, NumPy, Polaris
- ML Frameworks: Scikit-learn, TensorFlow, PyTorch, XGBoost
- NLP Tools: Transformers (HuggingFace), BERT, spaCy
- Software Engineering: Git, Docker, Flask, FastAPI, Unit Testing
- Cloud Exposure: AWS (SageMaker, S3), GCP (BigQuery)
- Other: Data wrangling, Feature engineering, Model evaluation

Projects

1. Real-Time Sentiment Analysis Platform

Tech stack: Python, Flask, TensorFlow, HuggingFace Transformers, AWS EC2

- Built an end-to-end NLP pipeline for real-time sentiment analysis of customer feedback using BERT-based transformer models.
- Designed REST API endpoints for text analysis via Flask; deployed app on AWS EC2 using Docker containers.
- Implemented data preprocessing, tokenization, and inference stages for production-level scalability.

2. Hybrid Cloud AI Model Deployment Framework

Tech stack: Python, Docker, TensorFlow, GCP, AWS

- Developed and containerized a generic framework to train/deploy ML models using multi-cloud infrastructure (AWS/GCP).
- Automated build and deployment process using Docker and GitHub Actions.
- Achieved reproducible environments and seamless CI/CD pipeline integration.

3. Machine Learning Pipeline for Predictive Maintenance

Tech stack: Python, Scikit-learn, Pandas, SQL

- Built a machine learning pipeline from data ingestion to model training for equipment failure prediction.
- Conducted extensive feature engineering, EDA, and hyperparameter tuning for regression/classification tasks.
- Documented processes and model selection logic for team transparency.

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

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

Additional Information

- Rapid learner, analytical thinker, and creative problem solver.
- Effective communicator experienced in teamwork and collaboration.
- Passionate about AI/ML innovation and continuous learning.