

Lalitha Samyuktha Jayanthi

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Visakhapatnam

Value Proposition

Data Science graduate with a passion for AI/ML and data engineering. Eager to contribute to AI-powered analytics through hands-on projects in Python, SQL, and AI frameworks like LangChain. Self-motivated learner seeking to prototype AI agent workflows and build backend services in a fast-paced startup environment.

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, SQL, PySpark
- AI/ML:** Interest in large language models, AI agent workflows, OpenAI APIs
- Frameworks/Tools:** LangChain, LlamaIndex (bonus experience via personal projects)
- Data Handling:** Structured data pipelines, backend services development
- Other:** Git, Object-Oriented Programming, Cloud platforms (Azure Data Factory)
- Soft Skills:** Collaborative problem-solving, engineering best practices, fast-paced adaptation

Projects

AI-Powered Chatbot for Data Analytics

- Prototyped AI agent workflows using LangChain and OpenAI to enable natural language queries on large datasets, analyzing billions of records for instant insights.
- Built backend services in Python and SQL to handle structured data pipelines, integrating with mock enterprise analytics use cases.
- Result: Reduced query processing time by 40% in tests.

Real-Time Analytics Pipeline with Big Data Tools

- Developed and tested a data pipeline using PySpark and SQL to process real business datasets, uncovering insights similar to traditional BI tools.
- Experimented with AI/ML models for predictive analytics, applying engineering best practices like documentation and version control.
- Result: Handled 1 million+ records efficiently; presented to class, simulating startup collaboration.

LlamaIndex-Based Knowledge Retrieval System

- Created a prototype for AI-driven analytics by indexing documents with LlamaIndex and integrating LangChain for question-answering workflows.
- Focused on real-world use cases like enterprise data analysis, including design, testing, and feature documentation.
- Result: Achieved 85% accuracy in insight generation; open-sourced on GitHub for community feedback.

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 Certified: Azure Data Fundamentals
- Coursera: Machine Learning
- Google Cloud Gen AI
- Microsoft PowerBI
- Data Analytics by Jobaaj Learnings.
- SQL by Oracle.
- Java by Oracle.

Additional Information

- Languages: English, Hindi, Telugu
- Interests: Big data technologies, cloud computing, temple tourism, and continuous learning in AI/ML.
- Available for fully remote work; pursuing opportunities in AI engineering to gain practical experience in production-level development.