

Lalitha Samyuktha Jayanthi

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📍 Visakhapatnam

Value Proposition

A recent Data Science graduate with a strong academic foundation in **distributed systems, natural language processing, artificial intelligence, machine learning, Python and Java**. Eager to apply my skills to solve complex, large-scale problems and contribute to the development of next-generation technologies.

Education

- B. Tech | CSE-Data Science | Avanathi 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
- **Core Competencies:** Unix/Linux environments, Distributed Systems, Natural Language Processing (NLP), Artificial Intelligence, Machine Learning, Deep Learning, Data Structures and Algorithms (DSA), information retrieval, and TCP/IP, Data Compression, Search Technologies.
- **Tools & Platforms:** Git, Jupyter Notebook, Collab, SQL, Power BI, AWS, M365
- **Generative AI:** LLMs (OpenAI, Gemini, Llama2), Prompt Engineering, Fine-tuning
- **Frameworks & Libraries:** TensorFlow, Keras, Scikit-learn, LangChain, NumPy, Pandas, Matplotlib, YOLOv8

Projects

- **AI Agent using OpenAI API**
Built an intelligent assistant that uses the OpenAI API for natural language understanding and contextual responses.
- **Object Detection using YOLOv8**
Fine-tuned a pre-trained YOLOv8 model for efficient object detection.
- **RAG Pipeline for LLMs**
Built a Retrieval-Augmented Generation (RAG) pipeline for LLMs using Sentence Transformers and FAISS.
- **Price optimization to optimize prices for a product**
strategic approach that uses data collection on sales, costs, competition, and market trends to predict demand changes and analyze price elasticity

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.

Professional Attributes

- Versatility
- Leadership
- Problem-solving
- Collaboration
- Creativity
- Communication
- Adaptability
- Initiative
- Growth