

# Lalitha Samyuktha Jayanthi

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## VALUE PROPOSITION

Detail-oriented and highly motivated Data Science student specializing in Artificial Intelligence, with hands-on experience in machine learning, deep learning, and natural language processing. Demonstrated proficiency in developing and deploying AI models using Python, TensorFlow, and cloud technologies. Brings strong problem-solving skills, adaptability, effective communication, teamwork, and a commitment to continuous learning.

## 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

## SKILLS

- Programming Languages: Java, Python (NumPy, Pandas, Scikit-learn, Matplotlib, TensorFlow, Keras)
- Machine Learning: Regression, Classification, Clustering, Neural Networks, Deep Learning, LLMs (OpenAI, Gemini), LangChain
- Data Analysis: Exploratory Data Analysis (EDA), Power BI, SQL, Statistical Techniques
- Generative AI: Prompt Engineering, Model Deployment, Fine-Tuning
- Cloud Technologies: AWS, ServiceNow
- Tools: Jupyter Notebook, Git, SQL, Excel, M365
- Data Structures and Algorithms
- Languages: Proficient in English, Hindi, Telugu
- Soft Skills: Problem-solving, teamwork, adaptability, communication, critical thinking, attention to detail, time management, continuous learning

## PROJECTS

- **Personalized Product Recommendation System for Retail :**  
Built a Generative AI system using LLMs and collaborative filtering to suggest personalized products based on user behavior and preferences, enhancing retail automation and customer engagement. Integrated data processing tools like Pandas and SQL for efficient analysis.  
Technologies: Python, Scikit-learn, LangChain
- **AI Chatbot for Financial Queries**  
Created a conversational AI chatbot with Natural Language Processing and Generative AI (using OpenAI APIs) to handle banking inquiries, provide personalized advice, and simulate customer support in retail environments. Deployed for team collaboration testing to improve response accuracy.
- **Visual Question Answering Model**  
Designed and implemented a Deep Learning model combining Computer Vision and Natural Language Processing to answer questions based on images. Fine-tuned pre-trained models using TensorFlow and Keras, focusing on deploying AI algorithms for interactive, real-time solutions in retail or banking scenarios.
- **Fun Facts Generator using Generative AI [ [Fun Fact Generator](#) ]**  
Created a Generative AI application using Pieces and LLMs (e.g., OpenAI) to produce engaging content. Applied Prompt Engineering and deployed the model, demonstrating skills in developing AI solutions for dynamic, user-facing innovations.
- **Data Visualization Dashboards using Power BI**  
Created interactive dashboards for data analysis and visualization, identifying trends and insights from complex datasets. Applied data processing tools to support decision-making in collaborative team settings.

## INTERNSHIPS & SIMULATIONS

- **AI Intern**  
AIMER Society  
Duration: 8 weeks  
Contributed to innovative AI projects and research, focusing on developing AI models in collaborative environments.
- **ML Intern**  
Indian Servers  
Duration: 8 weeks  
Worked on Machine Learning projects, gaining experience in deploying algorithms and team collaboration.
- **Data Science Intern**  
Yhills  
Duration: 8 weeks  
Applied Data Science skills, including data processing and visualization, to real-world tasks.
- **Data Science Intern**  
Prodigy  
Duration: 4 weeks  
Focused on AI and Machine Learning model development.
- **Tata Data Visualization: Empowering Business with Effective Insights Job Simulation**  
Forage (Tata Consultancy Services)  
Duration: 8 weeks  
Gained hands-on experience in data visualization tools and analytical skills for business insights.

## CERTIFICATIONS

- Google Cloud Gen AI
- Gen AI 101 with Pieces by Let's Upgrade
- SQL by Oracle
- Data Analytics by Jobaaj Learnings
- Infosys Springboard Certification in Software Engineering and Agile Development
- TATA Data Visualization: Empowering Business with Effective Insights by Tata Consultancy Services and Forage