Lalitha Samyuktha Jayanthi

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Value Proposition

AI-native and results-driven data science graduate with hands-on experience in building LLM-powered prototypes data visualizations and machine learning models. Passionate about solving real-world problems for data teams using emerging technologies. Seeking an opportunity to contribute to innovative AI development tools and collaborate with cross-functional teams.

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

- Languages and Tools Python R SAS Git Power BI SQL
- AI and ML LangChain Prompt Engineering RAG Few-shot Learning Chain-of-Thought Regression Clustering Time Series Forecasting
- Frameworks LangGraph OpenAI API Hugging Face Transformers
- Cloud and DevOps Basic experience with cloud platforms Azure GCP GitHub Actions
- Data Visualization Power BI Matplotlib Seaborn
- Other LLM Observability MCP Model Context Protocol Experimental Prototyping.

Projects

AI Powered Resume Optimizer using LangChain: Built with Python, LangChain, OpenAI, API
- Developed a tool that analyzes resumes and job descriptions to generate tailored improvements using LLMs
- Implemented prompt engineering and chain-of-thought reasoning for personalized suggestions
- Integrated RAG architecture to fetch relevant job market trends

Renewable Energy Forecasting Dashboard: Built with Power BI, Python, Time Series Models
- Analyzed IoT sensor data from solar farms to forecast energy output
- Created interactive dashboards to visualize regional performance and margin metrics
- Applied ARIMA and Prophet models for predictive analytics

GitHub Copilot Usage Tracker: Built with Python, GitHub, API, Streamlit
- Monitored and visualized Copilot-assisted coding patterns across multiple repositories
- Evaluated LLM observability metrics and developer productivity
- Explored tool-calling patterns and agent behavior

LLM Research Paper Summarizer: Built with LangChain, Hugging Face, Transformers
- Designed a tool to extract and summarize key insights from AI research papers
- Used few-shot prompting and chain-of-thought techniques for accurate summarization
- Enabled rapid understanding of cutting-edge developments in AI.

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 Plat form

Certifications

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

Soft Skills

- Effective communicator and reliable team player

- Strong analytical thinking and attention to detail

- Self-motivated with an experimental mindset

- Collaborative spirit and leadership in academic projects