Lalitha Samyuktha Jayanthi

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Value Proposition

Enthusiastic and self-driven AI-native developer with a strong foundation in Data Science and a passion for NLP and Machine Learning. Seeking an AI/ML Internship to contribute to cutting-edge NLP applications through rapid prototyping, research, and clean code. Eager to learn, collaborate, and grow in a fast-paced engineering 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

- **Languages:** Python, Java, SQL.
- **Frameworks & Libraries:** LangChain, Hugging Face Transformers, spaCy, NLTK, Scikit-learn, OpenAI API
- **Tools:** Git, GitHub Actions, Power BI, VS Code, Jupyter, Linux
- **Cloud Platforms:** AWS, ServiceNow.
- **Concepts:** Prompt Engineering, RAG Architectures, LLMs, CI/CD, Data Visualization, Debugging.

Projects

LLM-Powered Resume Optimizer

- Built a tool using LangChain and OpenAI API to analyze job descriptions and optimize resumes for ATS compatibility.
- Integrated semantic search and prompt engineering to tailor resume bullets dynamically.
- Achieved 85% match rate on simulated ATS tests across multiple job roles.

Research Paper Summarizer using LLMs

- Developed a Python-based tool to extract and summarize academic papers using transformer models.
- Implemented chunking and embedding techniques for long-context handling.
- Used Streamlit for interactive UI and deployed on Hugging Face Spaces.

Renewable Energy Forecast Dashboard

- Created a Power BI dashboard to visualize and forecast solar energy production using historical data.
- Applied regression models and time-series analysis in Python.
- Enabled real-time insights for operational efficiency.

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

- Introduction to NLP with Python.
- Prompt Engineering for LLMs.
- AWS Cloud Practitioner Essentials.
- 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

- Strong communicator and collaborative team player

- Quick learner with a growth mindset

- Detail-oriented and passionate about clean, scalable code