

Lalitha Samyuktha Jayanthi

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📍 Visakhapatnam

Value Proposition

AI-native developer and recent graduate with a B.Tech in Data Science, specializing in cloud-native ML systems, Linux-based infrastructure, and distributed AI workflows. Proven ability to build scalable prototypes using LLMs, containerized environments, and cloud platforms. Passionate about open-source, automation, and solving real-world problems through technical innovation.

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 Languages:** Python, Bash, SQL
- **AI/ML Frameworks:** PyTorch, TensorFlow, HuggingFace Transformers, LangChain
- **Cloud & DevOps:** AWS, Azure, ServiceNow, GitHub, CI/CD
- **Automation:** Terraform, Ansible, Chef, Puppet
- **Linux & Networking:** Ubuntu, CentOS, NFS, TCP/IP
- **Virtualization:** KVM, Xen
- **Databases:** MongoDB, MySQL, Redis, PostgreSQL
- **Open Source:** CoreOS, Docker, Kubernetes, Vagrant
- **Digital Ocean/Paperspace:** API, libraries, services

Projects

Resume Optimizer Powered by LLMs LangChain + HuggingFace + Streamlit

- Built an AI-powered resume analyzer that tailors resumes to job descriptions using LLMs and prompt engineering.
- Integrated semantic matching and keyword extraction to boost ATS compatibility.
- Deployed on AWS EC2 with Docker containers and GitHub Actions for CI/CD.

Renewable Energy Forecasting Dashboard Python + Power BI + Azure Functions

- Developed a real-time dashboard to visualize and forecast solar/wind energy output using time-series models.
- Automated data ingestion from IoT sensors and cloud APIs.

LLM-Powered Research Summarizer LangChain + OpenAI API + Flask

- Created a tool that summarizes academic papers using LLMs and vector search.
- Implemented containerized deployment using Docker CE and tested on bare-metal Linux.

Distributed Model Training Prototype PyTorch DDP + GCP + Terraform

- Simulated distributed training of a vision model across multiple GPUs using PyTorch DDP.
- Provisioned cloud infrastructure using Terraform and monitored GPU usage with Nvidia tools.
- Configured Linux networking stack and NFS mounts for shared data access.

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

- Microsoft Azure Fundamentals.
- Google Cloud Gen AI.
- Data Analytics by Jobaaj Learnings.
- SQL by Oracle.
- Java by Oracle.

Soft Skills

- Strong communicator with ability to simplify technical concepts for diverse audiences
- Empathetic collaborator and proactive problem-solver
- Highly motivated self-starter with a passion for continuous learning and experimentation