

Lalitha Samyuktha Jayanthi

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Value Proposition

Recent B.Tech graduate in Data Science with a passion for cloud-native technologies, security, and AI-driven solutions. Eager to leverage strong software development skills in Golang and Python. Excelled in academic projects involving rapid deployments, system integrations, and problem-solving in cloud environments. Quick learner and team player with excellent communication skills, demonstrated through technical blogs and open-source contributions.

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

Skills

- Programming Languages: Proficient in Golang, Python, Rust (intermediate)
- Cloud & Security Tools: AWS, ServiceNow, Kubernetes, Docker, Familiar with CNAPP concepts, encryption protocols, and vulnerability scanning
- Networking & AI: TCP/IP, SDN basics; Machine learning frameworks like TensorFlow and PyTorch for security analytics
- Other Skills: Git, CI/CD pipelines, Agile methodologies, RESTful APIs
- Soft Skills: Design thinking, systems-level problem-solving, verbal/written communication, teamwork

Projects

- Cloud-Native Security Dashboard (Golang and Kubernetes)
Built a full-stack application for monitoring cloud workloads, detecting runtime threats using eBPF and AI-based anomaly detection. Deployed on AWS EKS with zero-downtime updates, simulating rapid client deployments. Integrated networking features for secure API gateways. Presented a demo to peers, resulting in 95% positive feedback on usability. *Technologies: Golang, Kubernetes, Prometheus, TensorFlow*. Contributed code to a CNCF sandbox project for similar eBPF tools.
- AI-Driven Network Intrusion Detection System (Python and Rust)
Developed a prototype system that analyzes network traffic in real-time using machine learning models to identify intrusions. Implemented efficient packet processing in Rust for performance, with Python for AI training. Conducted proof-of-concept demos, including budget-constrained simulations on local clusters. Provided detailed feedback on scalability issues, mimicking product management input. *Technologies: Python, Rust, Scikit-learn, Wireshark*. Shared insights via a blog post on Medium, garnering 500+ views.

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.