

Lalitha Samyuktha Jayanthi

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📍 Visakhapatnam

Value Proposition

Data Science graduate with a strong foundation in cloud-native technologies, infrastructure automation, and CI/CD pipelines. Passionate about building scalable systems and streamlining developer workflows through innovative tooling 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

Technical Proficiencies

DevOps Tools: Jenkins, ArgoCD, Spinnaker, Docker, Kubernetes, Prometheus

IaC & Config Management: Terraform, Chef, SaltStack

Programming: Python (Django, Flask), Bash

Cloud Platforms: AWS (EC2, S3, Lambda), GCP (basic exposure)

Monitoring & Logging: Prometheus, Grafana, ELK Stack

OS & Networking: Linux (Ubuntu, CentOS), BSD, Shell scripting

Version Control & CI: Git, GitHub Actions, GitLab CI

Projects

DevOps Pipeline Simulator

- Built a simulated CI/CD pipeline using Jenkins (CI) and ArgoCD (CD) for a containerized microservice app.
- Integrated automated testing, Docker builds, and deployment to a local Kubernetes cluster.
- Used Prometheus and Grafana for real-time monitoring and alerting.

IaC-Driven Multi-Cluster K8s Setup

- Provisioned multiple Kubernetes clusters using Terraform and automated setup with SaltStack.
- Designed Helm charts for service deployment and implemented RBAC policies for multi-team access.
- Enabled cluster autoscaling and horizontal pod autoscaling based on custom metrics.

Developer Productivity Toolkit

- Created CLI tools in Python to automate common developer tasks: environment setup, log parsing, and deployment triggers.
- Integrated with Jenkins API and GitHub webhooks for seamless developer experience.
- Packaged tools with Docker and distributed via internal registry.

Infrastructure Monitoring Dashboard

- Deployed Prometheus and Grafana stack to monitor system metrics, container health, and application performance.
- Configured custom exporters for Django apps and Kubernetes nodes.
- Set up alerting rules and Slack notifications for critical events.

| 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

- Jenkins CI/CD Bootcamp.
- Kubernetes Fundamentals.
- Infosys Springboard certification in Software Engineering and Agile development.
- Google Cloud Gen AI.
- Data Analytics by Jobaaj Learnings.
- SQL by Oracle.
- Java by Oracle.