

Ankit Prasad

DevOps Enthusiast

📍 India

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🌐 wlan0.in

Profiles

🐙 GitHub

🌐 LinkedIn

📝 Blog

Skills

DevOps

Docker, Kubernetes, Terraform, Ansible, AWS, GCP, Azure, Traefik, Nginx, GitHub CI/CD, n8n, Jenkins, Cloudflare, Wireguard, General CI/CD pipelining, Grafana, Prometheus, Loki

Programming

Python, C/C++, Java, Golang, Rust, shell scripting

Tech Stack

Django, Flask, FastAPI, Go-Gin, SQLAlchemy, GORM, PostgreSQL, MySQL, SQLite

Embedded system

Embedded C, Arduino, Raspberry PI, Jetson Xavier, IOT sensors integration, automation

Miscellaneous

R, MatLab, LTspice

Education

Vellore Institute of Technology, Chennai

B.Tech CSE

8.17 CGPA

Aug 2023 - Present

Experience

Hooman Digital

DevOps Engineer

🌐 hooman.digital

March 2026 - June 2026

Remote

- Owned **Inferia-LLM**, a **multi-node multimodal AI orchestration platform** supporting **LLM inference**, **audio pipelines**, **video processing** & other AI workloads across heterogeneous inference engines.
- Redesigned the **orchestrator architecture** for scalability and reliability; engineered **dynamic model spawning**, **autoscaling**, **load balancing** & **cross-provider node allocation** across AWS, GCP, Azure and partner providers **Akash**, **Nosana**, reducing **model cold-start time** by **80%** and improving stability and uptime.
- Implemented **fine-grained observability** & **access control**, migrated **performance-critical services** Python to Go, and maintained **Inferia-Auth (SSO)** & **Inferia-Gate (API gateway & model aggregation)**.

Linux Users Group (FOSS United)

Operating Systems Lead

🌐 lugvitc.net

Sep 2023 - May 2026

Chennai, Tamil Nadu

- Developed a **scalable backend** for deploying **dynamic-flag CTFs**, ensuring **secure and adaptive challenges** for each team. Utilized across multiple events, serving **500+ participants per event** and managing **1400+ concurrent Docker containers** efficiently.
- Designed and deployed 35+ dynamic CTF challenges** focused on **cryptography**, **network exploitation**, and **file forensics**, containerizing and rigorously **testing each challenge** to ensure robustness and security.
- Conducted **5+ workshops** on **containerization**, **self-hosting**, and **multi-node infrastructure**, showcasing my **home lab architecture**, running **35+ services securely** as a practical example.
- Led an on-ground technical support team**, troubleshooting **complex OS-related issues** during events with **550+ participants**. Organized Linux installation booths with **15+ curated spin-offs** tailored to specific use cases.

Nayara Energy Limited

Software Development Intern

🌐 nayaraenergy.com

May 2025 - June 2025

Jamnagar, Gujarat

- Designed and built** an internal web portal for **India's 2nd largest refinery**, **processing 500+ SIM requests monthly** and **automating the end-to-end SIM lifecycle** (issuance, activation/deactivation, replacements, porting, eSIM issuance).
- Integrated **Active Directory** for **secure SSO** across **3,000+ employees** and configured **automated email workflows** with Vodafone Idea and Airtel, **cutting manual carrier communications by 95%**.
- Developed a real-time inventory dashboard **tracking 4,000+ SIM cards** with **detailed audit logs**, **slashing reconciliation time by 90%**.
- Collaborated weekly** with **HR and Admin teams** to refine portal features, **boosting processing efficiency by 80%** and **saving ~40 hours** of manual effort per month.

Projects

Rodan

🌐 <https://github.com/intraware>

July 2025

Developed a **containerized CTF platform** with per-team challenge isolation and **dynamic flag generation** for consistent solve flow. Designed a **microservice architecture** with **SSE notifications**, dedicated authentication, and a **Rust-based static file service**. Implemented challenge-type-specific auto-stop policies to **reduce idle resource usage**. Optimized **connection handling and orchestration** to sustain **10K+ req/min**.

Tech Stack: Go (Gin, GORM), Rust, PostgreSQL, Docker

Defdrive

🌐 <https://defdrive.wlan0.in>

Mar 2025

Built a **secure link-generation** system supporting **time-based expiry**, **one-time link usage**, **subnet/IP whitelisting**, and **TTL-restricted access** to control data flow and limit external network exposure.

Tech Stack: Go (Gin, GORM), PostgreSQL, Docker, Minio, Redis

GitGuru

🌐 <https://github.com/re-juvenate/gitguru-v2-backend>

Mar 2024

Created a Chrome extension that analyzes and summarizes **GitHub Issues**, delivering actionable insights to **boost developer productivity**. Engineered a **FastAPI backend** running **LLMs** for issue analysis, with a **browser-injected frontend** in HTML, CSS, and JavaScript.

Tech Stack: HTML, CSS, JavaScript, Python, FastAPI, Ollama, llama.cpp