Ankit Prasad
DevOps Enthusiast

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🔗 wlan0.in

Profiles

○ ankitprasad2005
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Skills

DevOps
Docker, Kubernetes, Terraform, Ansible, Traefik, Nginx, GitHub CI/CD, AWS, n8n, Jenkins, General CI/CD pipelining

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

Tech Stack
Django, Flast, FastAPI, Go-Gin, SQLAchemy, GORM, PostgreSQL, MySQL, SQLite, Tailscale

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

Miscellaneous
R, MatLab, LTspice

Education

Vellore Institute of Technology, Chennai
B.Tech CSE
8.31 CGPA
Aug 2023 - Present

Experience

Nayara Energy Limited   May 2025 - June 2025
Software Development Intern   Jamnagar, Gujarat
🔗 https://www.nayaraenergy.com/

- Designed and built a internal web portal that process **500+ SIM requests monthly**, SIM issuance, automating activation, deactivation, replacements, porting, and eSIM issuance for **India's 2nd largest** refinery.
- Integrated **Active Directory** for secure logins, supporting access for **3,000+ employees.**
- Configured automated emails to Vodafone Idea and Airtel, **cutting manual email volume by 95%.**
- Developed a live inventory dashboard **managing 4,000+ SIM cards** and detailed audit logs, **reducing reconciliation time by 90%.**
- Worked with HR and Admin teams, meeting weekly to refine features and **boost overall processing efficiency by 80%, saving ~40 hours of manual effort per month.**

V-NEST (Startup Incubator)
DevOps Engineer
🔗 https://vnest.org

- **Managed and secured hosting infrastructure**, ensuring **data integrity and high availability** for multiple startups incubated by **V-NEST**, while optimizing **deployment scalability** with **load balancing across nodes** and **CDN integration**.
- **Developed secure backend systems** for **e-submit platforms**, handling **participant registration, payment processing, and real-time tracking**, while enhancing **performance and reliability for high-traffic events**.
- **Implemented automated CI/CD pipelines** and conducted **server monitoring and troubleshooting**, streamlining **application management** while minimizing **downtime** and ensuring **high availability** for hosted applications, including **multiple websites and Android app backends**.

Linux Users Group   Sep 2023 - Present
Operating Systems Lead   Chennai
🔗 https://lugvitc.net

- 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 dynamic CTF challenges** focused on **cryptography, network exploitation, and file forensics**, containerizing and rigorously **testing each challenge** to ensure robustness and security.
- **Led an on-ground technical support team**, troubleshooting **complex OS-related issues** in real time during events. **Organized a Linux installation booth** having multiple spinoffs curated of their use case.

CloudOps   Jan 2024 - Present
Technical Member   Chennai
🔗 https://teamcloudopsvitc.github.io

- Delivered **technical talks and hands-on workshops** on **DevOps, container runtime environments** and **reverse proxying,** spanning a month-long series. Led **sessions on Dockerization** and **microservices**, guiding participants through **real-world deployment scenarios**.
- Delivered **hands-on sessions** on **Dockerization and CGNAT bypassing**, equipping participants with practical **real-world deployment skills**.
- Designed **interactive labs and problem-solving scenarios**, enabling attendees to apply **DevOps principles** in a structured environment.

Projects

Defdrive   Mar 2025
🔗 https://defdrive.wlan0.in

Developed **Defdrive**, a system enabling users to generate **time-based expiry keys** with features like **one-time link usage**, **whitelisted subnet or IP access**, and **restricted TTL** (Time-To-Live) to **control data traffic** and **limit external network access**.

GitGuru   Mar 2024
🔗 https://github.com/re-juvenate/gitguru-v2-backend

Developed an **AI-driven Chrome extension** that **analyzes and summarizes GitHub Issues**, providing **detailed explanations and solutions** to enhance **developer productivity**. Implemented a **FastAPI backend** running **LLMs** for issue analysis, with a **frontend injected into the web page** using **HTML, CSS, and JavaScript**.

Prabandh   Jan 2025
🔗 https://github.com/ankitprasad2005/prabandh

Developed a **file indexer** leveraging **NLP** for **contextual understanding, image recognition**, and **OCR** to accurately **index images** and **enhance search accuracy**. Integrated **Watchdog** for real-time monitoring and **Redis for caching**, minimizing redundant tasks and significantly **improving search speed**.