

# ANKITH B V

☎ +91 7406552044 — ✉ ankithbv007@gmail.com — in ankithbv — 🌐 Ankithv007

## Skills

Cloud & Infrastructure  
Containers & Orchestration  
Languages & Version Control  
Observability & Monitoring

AWS, Azure, Terraform, Ansible, Jenkins, GitLab  
Docker, Kubernetes  
Python, Bash, MySQL, NoSQL, HTML, CSS, JavaScript, Git, GitHub  
Prometheus, Grafana, ELK Stack

## Experience

### Velankani AI and Cloud Solutions

Jan 2025 – Present

*DevOps Engineer*

Project: Cloud Infrastructure Migration (AWS to Vultr)

- Led the migration of production infrastructure from AWS to Vultr, designing secure and cost-efficient cloud architecture using **Terraform**.
- Provisioned **bastion hosts**, **private networks**, **load balancers**, and compute instances, implementing strong security with isolated subnets and controlled SSH access.
- Automated provisioning, resource configuration, and monitoring setup using **Terraform**, **Prometheus**, **Grafana**, ensuring stable and observable environments.

Project: SFCS – Microservices Development, CI/CD, and Kubernetes Deployment

- Developed and enhanced application microservices, contributing to both backend logic and frontend features while ensuring clean, modular code practices.
- Created and optimized **Dockerfiles** for multiple microservices, improving image efficiency, build time, and consistency across environments.
- Built and maintained a fully automated **Jenkins CI/CD pipeline** integrating Git webhooks, automated testing, Docker builds, artifact versioning, and deployment to Kubernetes.
- Deployed application components to **Kubernetes** using Deployments, Services, ConfigMaps, and Ingress, ensuring scalability and reliable service communication.
- Managed Kubernetes rollouts using **RollingUpdate** strategies, reducing downtime and ensuring safe and controlled deployments.
- Implemented monitoring, logging, and alerting using **Prometheus & Grafana**, enabling real-time visibility into microservice performance and system health.
- Supported infrastructure automation using **Terraform**, standardizing resource provisioning and maintaining consistent cloud environments.
- Collaborated with the development and DevOps teams to improve build pipelines, containerization standards, and cloud-native deployment strategies.

## Projects

### Wanderlust – CI/CD Pipeline & Kubernetes Deployment 🔄 — Jenkins, Docker, Kubernetes, SonarQube, Trivy, Observability

- Built an end-to-end **Jenkins CI/CD pipeline** integrating code quality checks, security scans (OWASP, Trivy), Docker image builds, and automated deployments to Kubernetes.
- Configured **GitHub webhook triggers** and **SonarQube quality gates** to enforce secure and high-quality code standards before release.
- Implemented **Prometheus & Grafana monitoring** with Jenkins email notifications for real-time visibility and faster troubleshooting.

### Highly Available Web Application on AWS 🌐 — AWS, VPC, EC2, ALB, Auto Scaling, Terraform, CloudWatch

- Designed a multi-AZ **VPC architecture** with public/private subnets, NAT gateway, routing policies, and secure access using IAM and security groups.
- Deployed scalable **EC2 Auto Scaling Groups** behind an Application Load Balancer (ALB) with health checks for high availability and efficient traffic handling.
- Automated resource provisioning with **Terraform** and configured **CloudWatch metrics & alarms** for system health and scaling actions.

## Education

### MVJ College of Engineering

*Bachelor of Engineering in Computer Science*

2019 – 2023