

Manikant Kumar

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Professional Summary

Aspiring Cloud/DevOps Engineer who has shipped 3 production-style AWS deployments solo — from IaC provisioning to CI/CD to live monitoring — cutting manual deployment steps by 66% on one project and running a zero-downtime EKS rollout on another. AWS Academy Cloud Foundations certified; hands-on across Terraform, Docker, Kubernetes, and GitHub Actions.

Skills

Cloud Platforms: AWS (EC2, EKS, ECS, S3, IAM, VPC, RDS, Route 53, CloudFront)

Operating Systems: Linux (Ubuntu, Amazon Linux)

CI/CD: GitHub Actions, Jenkins

IaC & Config Mgmt: Terraform, Ansible

Containers & Orchestration: Docker, Kubernetes, Helm

Monitoring & Observability: Prometheus, Grafana, AWS CloudWatch

Programming & Scripting: Python, Bash

Version Control: Git, GitHub

Projects

E-Commerce Microservices — AWS DevOps Pipeline

GitHub

Cloud-native CI/CD pipeline on AWS EKS — Docker, Kubernetes, Helm, Trivy, GitHub Actions

- Built a security-gated CI/CD pipeline for 11 Spring Boot microservices (GitHub Actions → Trivy scan → ECR), eliminating manual image promotion — every deploy is traceable to a single immutable, scanned artifact.
- Deployed a 3-node Amazon EKS cluster (Linux-based worker nodes) via Helm umbrella chart managing 5 stateful components with persistent AWS EBS storage, achieving zero-downtime rollouts with a Build-Once-Deploy-Same-Artifact strategy.
- Monitoring cluster health via Prometheus and Grafana with Kubernetes LoadBalancer routing.

NotesWay – Academic Notes Management Platform

GitHub

Production-grade 3-tier application on AWS — Terraform, Docker, ECS, ECR, GitHub Actions

- Architected a three-tier notes platform using React.js, Python, and MongoDB Atlas, supporting role-based access across 3 user roles.
- Provisioned scalable AWS infrastructure including ECS, ECR, VPC, IAM, S3, and CloudFront using Terraform, with CloudWatch integration for centralized logging and container health monitoring.
- Built a CI/CD pipeline using GitHub Actions with a self-hosted runner and OIDC authentication, cutting manual deployment steps from 6 to 2 (66% reduction).

Experience

AWS Student Builder Group – Malla Reddy University

Hyderabad, India

Technical Lead

Sep 2025 – Present

- Designed and taught a hands-on AWS/CI-CD workshop series (EC2, IAM, S3, pipelines) to 100+ engineering students, driving practical adoption of cloud and DevOps skills across the club.
- Operated as the sole technical escalation point for club infrastructure questions, the closest analog to a junior DevOps support role.

Education

B.Tech in Computer Science and Engineering

2023–2027

Malla Reddy University, Hyderabad, Telangana

Certifications

- AWS Academy Graduate - Cloud Foundations (Amazon Web Services Training and Certification)
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