

GNANAPRAKASH G

Aspiring AWS DevOps Engineer

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CAREER OBJECTIVE

Passionate AWS DevOps enthusiast with hands-on experience in deploying scalable cloud infrastructure, implementing CI/CD pipelines, and managing automation using tools like Terraform and Kubernetes. Eager to contribute to dynamic cloud-native teams.

EDUCATION

Mount Zion College of Engineering and Technology | Pudukottai

2021 – 2025

B.E – Computer Science and Engineering

CGPA: 7.68

SKILLS

Cloud Tech : AWS (EC2, IAM, S3, VPC, RDS, ELB, ASG, R53, Lambda, CD/CP)

DevOps Tools : Jenkins, Git, GitHub, Ansible, Terraform, Docker, Kubernetes

Automation : CI/CD pipelines, IaC

Scripting : Bash, Python (basics)

Operations & Soft Skills: Incident Management, SRE, Communication, Problem-solving, Time Management

PROJECTS

AWS 3-Tier Web Application Architectures

Tech Stack : EC2, RDS, ALB, VPC, R53, ACM

- Deployed a 3-tier AWS architecture using dual VPCs and ALBs for isolated static/dynamic routing; secured backend with MySQL RDS and ACM for HTTPS access.
- Achieved high availability and security by customizing subnets and route tables.

CI/CD Pipeline Automation using Jenkins & Kubernetes

Tech Stack: Jenkins, GitHub, Docker, SonarQube, Trivy, AWS EC2, ECR, Kops, Kubernetes

- Developed a non-production CI/CD pipeline on EC2 using Jenkins declarative pipeline with GitHub webhook triggers, email alerts, and Trivy security scans.
- Automated end-to-end flow : Git → SonarQube → Docker → Trivy → ECR → Kubernetes (via Kops)

Multi-Branch DevOps Infrastructure with Terraform & Jenkins

- Provisioned AWS infrastructure (VPC, EC2) using Terraform and built a multi-branch pipeline (dev/qa/master) with GitHub webhooks for automated deployments
- Configured IAM roles for secure access management across pipeline stages

INTERNSHIPS

Intranet Application Development

Jul 2024 – Aug 2024

Apollo IT Corporate | Chennai

- Integrated Azure-based chatbot with semantic search, enhancing intranet query handling by 40%. Secured communication using token-based auth and Flask APIs.
- Built a lightweight admin panel with editable URLs and unit-level control for 10+ departments

AWARDS AND ACKNOWLEDGEMENTS

- Completed advanced AWS DevOps certification with hands-on projects on infrastructure provisioning, pipeline automation, and container orchestration.
- State-Level Hockey Champion – Runner-up, Chief Minister's Trophy (2024)