

# GANESHAN S

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Location: Bengaluru, Karnataka

## SUMMARY

Motivated Engineering graduate with a strong interest in DevOps and Cloud technologies. Skilled in AWS, Docker, Kubernetes, CI/CD pipelines, and Terraform. Strong problem-solving abilities with good communication and a collaborative mindset. Eager to learn and contribute to a dynamic and growth-focused organization.

## INTERNSHIP EXPERIENCE

### Apponix Academy | June 2024 – Nov 2024

- Gained hands-on experience in building and managing cloud infrastructure using AWS services including IAM, EC2, S3, RDS, VPC, and ELB.
- Assisted in designing and implementing CI/CD pipelines to automate code deployment and testing processes.
- Worked on Infrastructure-as-Code (IaC) using Terraform to provision and manage AWS resources efficiently.
- Supported containerization and basic orchestration using Docker and Kubernetes, improving deployment consistency and application reliability.

## PROJECTS

### End-to-End AWS Infrastructure Setup with VPC, EC2, EFS, RDS, ALB, CloudFront & Route 53

- Provisioned a complete AWS infrastructure using VPC, EC2, EFS, RDS, ALB, and CloudFront to host a scalable and reliable web application.
- Integrated S3, EFS, and RDS for optimized storage management and seamless database connectivity.
- Configured Route 53, AWS Certificate Manager (ACM), and CloudFront to enable secure, high-availability access with domain routing and SSL/TLS encryption.

### Automation of CI/CD Pipeline for Django Web Application using AWS, Git, GitHub, Docker, Docker Hub, Jenkins & Kubernetes

- Designed and implemented an automated CI/CD pipeline for a Django application using Jenkins, Git, and GitHub to streamline build, test, and deployment processes.
- Containerized the application using Docker and managed images through Docker Hub to ensure consistent and reliable deployments.
- Deployed and scaled the application on AWS using Kubernetes for orchestration, load management, and high availability.

REPO: <https://github.com/ganeshns935-max/django-notes-app.git>

## **Infrastructure Provisioning on AWS using Terraform**

- Automated AWS EC2 provisioning using Terraform scripts for faster and consistent deployment.
- Wrote and executed Infrastructure-as-Code using Terraform CLI and VS Code for streamlined workflow.
- Applied Infrastructure as Code (IaC) for efficient and consistent resource deployment.

## **SKILLS**

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**Cloud Technologies:** EC2, S3, VPC, EFS, RDS, Route 53, Load Balancer, IAM

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

**Infrastructure as Code:** Terraform scripting using CLI & VS Code

**Linux:** File permissions, user/group management, cron jobs

**Operating Systems:** Ubuntu, Linux, Windows

## **CERTIFICATIONS**

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- AWS Cloud & DevOps Course (Completed)

## **EDUCATION**

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Bachelor of Engineering (EEE)

STJ Institute of Technology Ranebennur

Visvesvaraya Technological University (VTU)

2021-2024 | CGPA: 7.4