

# VIGNESH S

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## SUMMARY

DevOps Engineer with expertise in **AWS, Kubernetes, Terraform, and Docker**. Skilled in **CI/CD automation, cloud infrastructure, and security**. Experienced in optimizing workflows, improving deployment efficiency, and ensuring system reliability.

## EDUCATION

**PSNA COLLEGE OF ENG & TECH**  
BE in Computer Science and Engineering  
- 2024  
CGPA: 8.18

**FUSCO'S MATRICULATION HR SEC SCHOOL**  
HSC - 2020 Percentage: 76.5%  
SSLC - 2018 Percentage: 78%

## SKILLS

### CLOUD PLATFORMS & INFRASTRUCTURE

AWS (EC2, VPC, RDS, S3, Lambda, etc.), GCP

### INFRASTRUCTURE AS CODE

Terraform, AWS CloudFormation

### CI/CD & GITOPS

Jenkins, GitLab, GitHub Actions, ArgoCD, Ansible

### KUBERNETES & CONTAINERIZATION

Docker, Kubernetes, Helm, Kustomize

### OBSERVABILITY & MONITORING

Prometheus, Grafana

### SECURITY & CODE QUALITY

Trivy, SonarQube, OWASP

### PROGRAMMING & SCRIPTING

Python, Java, SQL, Bash, Golang (for automation)

### SOFT SKILLS

Analytical Thinking, Communication, Problem Solving, Adaptability

## COURSEWORK

Cloud Computing  
Data Structures and Algorithms  
Database Management Systems  
Operating Systems  
Computer Networks  
Object-Oriented Programming

## TECH PROFILE LINKS

- **GitHub:** vigneshvicky24
- **GeeksForGeeks:** vicky24h5bc

## PROJECTS

### END-TO-END DEVOPS AUTOMATION FOR E-COMMERCE

Feb 2025 - Mar 2025

- Developed an **automated DevOps pipeline** with **Docker, Kubernetes, Terraform, and CI/CD**, reducing deployment time by **60%** for a **multi-microservice e-commerce platform**.
- Automated AWS infrastructure provisioning with **Terraform**, deploying an **EKS cluster** in a **VPC**, cutting manual efforts by **80%**.
- Built **CI/CD pipelines** for Java microservices using **GitHub Actions & ArgoCD**, achieving a **99% deployment success rate**.
- **Tech Stack:** Docker, Kubernetes, Terraform, AWS (EKS, VPC, ALB, Route 53), GitHub Actions, ArgoCD, Jenkins CI/CD, Helm

### REAL-TIME CI/CD AND INFRASTRUCTURE AUTOMATION - BOOKMYSHOW

Jan 2025 - Feb 2025

- Built an **automated CI/CD pipeline** using **Jenkins** with **AWS EKS**, reducing deployment time by **60%**.
- Enforced security best practices with **SonarQube, Trivy, and OWASP Dependency-Check**, eliminating critical security vulnerabilities.
- Optimized microservices deployment with **Docker & Kubernetes**, improving resource utilization by **40%** and achieving **99.9% uptime**.
- **Tech Stack:** AWS EKS, Jenkins, SonarQube, Trivy, OWASP Dependency-Check, Docker, Prometheus, Grafana, Git, GitHub, Terraform, Bash, Linux

### SWIGGY REAL-TIME CI/CD & INFRASTRUCTURE AUTOMATION ON AWS

Jan 2025 - Jan 2025

- Designed a **highly available AWS infrastructure** using **Terraform**, ensuring scalability and reliability.
- Developed a **real-time CI/CD pipeline** with **GitHub, Jenkins, and Docker**, reducing deployment time by **60%**.
- Integrated **SonarQube, OWASP Dependency-Check, and Trivy** to enforce security best practices and container vulnerability scanning.
- **Tech Stack:** AWS, Terraform, GitHub, Jenkins, Docker, SonarQube, OWASP Dependency-Check, Trivy, CI/CD, Cloud Security

## ACHIEVEMENTS

- Solved **100+** problems on GeeksForGeeks - **vicky24h5bc**
- Explored cloud technologies by completing multiple hands-on labs in **Google Cloud Arcade** (Cloud Skills Boost) during my college studies, gaining practical experience with cloud-based infrastructure and automation. **(Profile)**

## CERTIFICATIONS

- **AWS Certified Solutions Architect - Associate**
- **AWS APAC Solutions Architecture Virtual Experience Program - Forage**