

Mukesh T

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Nagapattinam, Tamil Nadu

PROFESSIONAL SUMMARY

Final year B.Tech student specializing in Cybersecurity and Digital Forensics at VIT Bhopal. Demonstrated hands on expertise in AWS cloud infrastructure, DevOps automation, CI/CD pipelines, and containerization technologies. Experienced in designing, deploying, and monitoring secure, scalable applications using industry leading tools such as Jenkins, Docker, Kubernetes, Terraform, and Prometheus. Adept at collaborating within technical teams and mentoring peers. Eager to contribute as a DevOps Intern by leveraging cloud native and automation expertise to drive operational efficiency and innovation.

EDUCATION

- **Vellore Institute of Technology, Bhopal** 2022-2026
B.Tech, Computer Science and Engineering (Cybersecurity & Digital Forensics) CGPA: 8.4
- **Chinmaya Vidyalaya, Nagapattinam** 2022
Higher Secondary Education PCMC Stream

EXPERIENCE

- **AWS Cloud Projects** Ongoing
Hands on AWS labs and deployments Self Initiated
 - Launched EC2, managed IAM, set up ELB, Auto Scaling, and designed secure VPCs.
- **Technical Assistant** 2023-2024
Documentation and Project Coordination Vityarti
 - Supported technical documentation and project coordination.

DEVOPS AND CLOUD PROJECTS

- **CI/CD Pipeline with Jenkins and Docker**
 - Automated build, test, and deployment workflows.
 - Reduced deployment time by 60% using Slack notifications and GitHub integration.
- **Kubernetes Deployment and Orchestration**
 - Deployed containerized apps using Kubernetes Minikube.
 - Enabled auto scaling and health checks for high availability.
- **GitOps with Argo CD**
 - Established GitOps workflow for declarative application deployment.
 - Automated rollback and deployment history tracking.
- **Monitoring Stack Prometheus and Grafana**
 - Deployed monitoring solution for containerized applications.
 - Improved incident response time by 70% with real time dashboards.
- **Ping Pong Game DevOps Deployment**
 - Containerized app deployed on AWS ECS.
 - Automated CI/CD pipeline using GitHub Actions.
- **Fade Away Chat App**
 - Privacy focused ephemeral chat app with secure cloud deployment.
 - Dockerized and integrated with real time communication.

TECHNICAL SKILLS

- **Cloud:** AWS (EC2, S3, IAM, VPC, RDS, ECS, Lambda, CloudWatch, Auto Scaling, ELB, CloudFormation)
- **DevOps:** Jenkins, GitHub Actions, Terraform, Argo CD, GitOps, IaC
- **Containers:** Docker, Docker Compose, Kubernetes, Minikube
- **Monitoring:** Prometheus, Grafana
- **Programming:** Python, Bash, HTML/CSS, YAML & JSON (Basics)
- **Version Control:** Git, GitHub, GitLab
- **Security:** Cybersecurity, Incident Response, Vulnerability Assessment, AWS Security
- **OS:** Linux, Windows

CERTIFICATIONS

- **AWS Cloud Practitioner Essentials and AWS Badges:** Storage, Compute, Networking, Security, Databases, Cloud Operations, Serverless
- **Google Certified Cybersecurity Professional:**
- **Incident Response Basics, Blockchain, Computer Networking:**

LEADERSHIP AND ACTIVITIES

- **Technical Team Member and Event Organizer:** Model United Nations (MUN) Club, VIT Bhopal
- **Event Organizing Committee Manager:** Tamizh Mandram, VIT Bhopal