

VISHAL M

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PROFILE

I'm a driven and innovative computer science undergraduate student. My expertise and interest lie in DevOps, Site Reliability Engineering, Linux CLI and shell scripting, Git and GitHub, and AWS infrastructure. I'm eager to apply my knowledge and skills to real-world projects that require automation and collaboration, and I continuously seek opportunities to expand my knowledge and skills in these areas.

EDUCATION

Bachelor's Degree in Computer Science, PES UNIVERSITY

- MOOCs: AWS for DevOps, Jenkins Specialization by KodeKloud

2020 – present
Bangalore, India

PROFESSIONAL EXPERIENCE

PESU Venture Labs, Cloud Engineer Intern

- Migrated projects of Testing and QA environments from on-premise to AWS Cloud including the delivery phase.
- Replaced the infrastructure with IaC using Terraform.

March 2023 – present
Bangalore, India

Programming Club Core Member, PES University

- Delivered lectures on Git and GitHub concepts to 30 students.
- Led a team of 5 and organized workshops on Cloud and other technical skills.

December 2021 – July 2022

PROJECTS

Deploying Infrastructure for WordPress Application on Amazon EKS

- Designed and deployed a highly scalable and fault-tolerant Kubernetes cluster on Amazon AWS using EKS, integrated with EC2, ELB, EFS, and VPC. Deployed WordPress and MySQL with auto-scaling and persistent storage using EFS.
- Automated infrastructure deployment with Terraform, integrated Prometheus and Grafana using Helm to monitor the setup and launched a web application with a load balancer on EKS Cluster. Achieved high availability, scalability, and cost-effectiveness by using Kubernetes services on the Cloud.

Static website hosting on AWS using Terraform Automation

- Successfully implemented static web page hosting project using Amazon AWS EC2, EBS, S3, and Cloudfront technologies.
- Demonstrated proficiency in creating and configuring private keys and security groups, launching EC2 instances and EBS volumes, deploying code from a GitHub repository, creating and managing S3 buckets, and setting up Cloudfront distributions.

Web App deployment using Docker and Kubernetes

- Set up and managed Docker container for Django-based ToDo application into Kubernetes Pods.
- Primed Deployment, Replication, and Auto Scaling for the Kubernetes cluster to reduce the downtime by 75%.

SKILLS SUMMARY

Programming Skills

Python, Go(Golang), SQL, Bash

Tools

Docker, Ansible, Kubernetes, Terraform, GitLab

Cloud and Datastores

AWS, Azure, MySQL

Others

System Design, GitOps, Linux, Infrastructure Monitoring and Log Analysis

ADDITIONAL EXPERIENCE AND ACHIEVEMENTS

- Won **1st prize among the top 100 teams** for designing a GUI in Figma by analyzing and researching issues faced by farmers, managed multiple initiatives to deliver the optimized features to resolve.
- Selected as a member of the **Innovation Student Council at PES University** based on high-achieving and technically strong undergraduate students.