

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

2020 – present | Bangalore, India

PROFESSIONAL EXPERIENCE

TheDevMentor, Co-Founder and Mentor

February 2022 – present

- Led a team of 8 members including the developers and designers team to develop the platform from the ideation phase to the successful launch.
- Formed and managed a community of around 800 students developers on Discord. Mentored the students to learn Linux CLI and shell scripting in Bash/Python.

PES University, Programming Club Core Member

December 2021 – July 2022

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

PROJECTS

Deploying WordPress application using AWS EKS

- Set up a VPC containing 1 master node and 2 slave nodes as a spot instance with a common security group, integrated with EFS.
- Kubernetes clusters are deployed on EKS and used Prometheus and Grafana to monitor the infrastructure.

Static website hosting on AWS using Terraform Automation

- Built an AWS infrastructure by creating an EC2 instance, Security groups, EBS Snapshot, S3 Bucket, and CloudFront through Terraform.
- HTML code from the GitHub repo and EBS volume is copied to /var/www/html and then hosted using AWS CloudFront.

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

CI/CD and Datastores

GitHub Actions, Jenkins, MySQL, Redis

Cloud Infrastructure

AWS(IaaS, PaaS, SaaS), EC2, EKS, S3, EBS, ASG, EFS, CloudFront, VPC, Lambda

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.
- Collaborated with a team of 4 and led them to Develop and manage goals and objectives for the research project as part of my capstone in the DevSecOps domain focusing on Docker Daemon Vulnerabilities to create, and implement relevant measures to enhance production-ready containers.
- Selected as a member of the Innovation Student Council at PES University based on high-achieving and technically strong undergraduate students.

COURSES

AWS Cloud for Beginners

Jenkins