

MUNISH THAKUR

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✉ Email

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EDUCATION

VIT Bhopal University, M.P

B.Tech in Computer Science and Engineering

May 2025

CGPA: 8.74/10

TECHNICAL SKILLS

Programming Languages: C++, SQL, Python

DevOps Tools: Docker, Kubernetes, Git, Shell Scripting, Helm

Cloud Platforms: AWS (EKS, EC2, S3, Route 53, IAM, CloudWatch), GCP

EXPERIENCE

Verizon Cloud Computing Simulation – Forage (Virtual)

January 2025

- Designed and evaluated three **cloud** security strategies, improving compliance efficiency .
- Conducted security tests on cloud-native applications, ensuring 99.9% uptime and enforcing least-privilege access.
- Optimized configuration checks for cloud-based resources, reducing misconfigurations.

PROJECTS

DevOps Implementation for Go Web App

October 2024

- **Containerized** a Golang web app with a multi-stage **Dockerfile**, deployed on **AWS EKS** using Kubernetes, Helm, and **GitOps (ArgoCD)** for automated **CI/CD**.
- Configured NGINX Ingress for external access and implemented **Helm**-based deployments for scalable multi-environment support.

GitHub [↗](#)

Cloud-Native Monitoring Application

August 2024

- Developed a Python-based monitoring application using **Flask** to track CPU and memory usage.
- Containerized the application using **Docker** and stored images in **AWS Elastic Container Registry (ECR)**.
- Deployed the application on **AWS Elastic Kubernetes Service (EKS)** with automated scaling.
- Utilized **Boto3** to programmatically manage AWS resources like ECR and EKS.
- Achieved high availability and scalability by managing deployments and services with **Kubernetes**.

GitHub [↗](#)

Cloud Infrastructure Monitoring Automation

April 2024

- Automated AWS resource monitoring via a shell script, listing active **EC2**, **S3** instances for cost optimization.
- Used **AWS CLI** to fetch resources, enforcing **IAM least-privilege access** and secure script execution.
- Enabled scheduled tracking with **cron jobs**, improving visibility into cloud usage.

GitHub [↗](#)

CERTIFICATIONS

AWS Certified Cloud Practitioner – AWS

Feb 2024 – Feb 2027

Google Cloud Digital Leader Certification – Google Cloud

Feb 2024 – Feb 2027

ACTIVITIES

Ground Team Co-Lead, Bit by BIT Club, VIT Bhopal University

2023

- Led a 20-member team to organize a 500+ attendee tech event.
- Mentored junior members in project management, increasing team efficiency by 20%.

Head Boy, Kendriya Vidyalaya School

2019

- Supervised a team of prefects, coordinating school events and leadership initiatives.
- Organized inter-school competitions, driving a 40% increase in student participation.