MUNISH THAKUR

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EDUCATION

VIT Bhopal University, M.P   **May 2025**
B.Tech in Computer Science and Engineering   *CGPA:* 8.74/10

TECHNICAL SKILLS

Programming Languages: C++, SQL, Python
DevOps Tools: Docker, Kubernetes, Git, 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.