

Harshal Verma

harshalverma.1801@gmail.com

+91-7014594443

Github Profile - Harshal1803

LinkedIn Profile - harshalv

Versatile Computer Science Engineer skilled in Software Development, Cloud Computing, and Automation. Specialized in DevOps with hands-on expertise in AWS, Docker, Kubernetes, CI/CD, and Terraform, with strong knowledge of Python, Linux, and System Design.

Education

Bachelor of Technology - Computer Science

Birla Institute of Technology, Mesra

2026

CGPA: 7.11

Senior Secondary Education

Central Academy, Jaipur

2021

87%

Secondary Education

Central Academy, Jaipur

2019

82%

Skills Summary

- Programming:** Python, Bash, JavaScript, C, C++
- DevOps & Cloud Tools:** AWS, Azure, Docker, Kubernetes, Jenkins, Terraform, Git, GitHub Actions, CI/CD Pipelines
- Monitoring & Observability:** Prometheus, Grafana, AWS CloudWatch
- Backend & Databases:** Node.js, Express, MongoDB, MySQL
- Operating Systems:** Linux (Ubuntu, CentOS), Windows

Experience

DevOps Intern

Mathionix Technologies, Jaipur

On-Site

(3 Months) May 2025 - Jul 2025

- Automated deployment and scaling of high-traffic applications using AWS EC2, Auto Scaling Groups, and Load Balancers, improving system reliability and uptime.
- Engineered CI/CD workflows with GitHub Actions and Fastlane for automated build, test, and deployment pipelines, enabling consistent and zero-downtime releases.

DevOps Engineer Intern

HitoriTech, United Kingdom

Remote

(7 Months) May 2024 - Nov 2024

- Managed AWS-based infrastructure, focusing on EC2 server setup, monitoring, and automation for high-uptime environments.
- Containerized and deployed applications using Docker, improving system efficiency, scalability, and resource utilization.

Projects

End-to-End DevOps for Live Web & Mobile Applications

(AWS, GitHub Actions, CI/CD, Fastlane)

- Managed the full DevOps lifecycle for multi-platform healthcare apps, designing CI/CD pipelines with GitHub Actions and Fastlane for automated testing and deployment.
- Deployed scalable AWS infrastructure with EC2, Load Balancer, and Auto Scaling, achieving fault tolerance, version control integration, and seamless release automation.

Raspberry Pi NAS Server & AI Semantic Search

(Raspberry Pi, FastAPI, JavaScript, OpenAI CLIP)

- Built a personal cloud NAS solution using Raspberry Pi (DietPi), Docker, and FastAPI, integrating AI-based semantic search via OpenAI CLIP for intelligent media retrieval.

Automated Kubernetes Voting App

(AWS EC2, Argo CD, KIND, Prometheus, Grafana)

- Deployed a multi-service voting application on AWS EC2 using Kubernetes (Kind) and automated delivery via Argo CD. Configured Prometheus and Grafana for real-time monitoring, achieving efficient scaling and high availability in a cloud-native environment.

Honors and Awards

- Attended Google AI Labs - Gen AI Exchange Program (**Aug 2025**)
- 3rd place - Battle Of Bytes (college-level DSA and SQL event). (**Apr 2024**)
- 5th place - Smart India Hackathon (intra-college round). (**Sep 2023**)
- Finalist - MIVI's Big Design Contest. (**Jun 2023**)