

# Harshal Verma

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[Github Profile](#)

[LinkedIn Profile](#)

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

<b>Bachelor of Technology - Computer Science</b>	2026
Birla Institute of Technology, Mesra	CGPA: 7.11
<b>Senior Secondary Education</b>	2021
Central Academy, Jaipur	87%
<b>Secondary Education</b>	2019
Central Academy, Jaipur	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

<b>DevOps Intern</b>	On-Site
Mathionix Technologies, Jaipur	(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.	
<b>DevOps Engineer Intern</b>	Remote
HitoriTech, United Kingdom	(7 Months) May 2024 - Nov 2024
○ Developed and managed infrastructure-as-code using Terraform and Jenkins, improving deployment efficiency and environment consistency across AWS-based systems.	
○ Containerized applications with Docker, orchestrated clusters using Kubernetes, and implemented monitoring with Prometheus and Grafana for proactive issue detection.	

## Projects

<b>End-to-End DevOps for Live Web &amp; Mobile Applications</b>	(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.	

<b>Raspberry Pi NAS Server &amp; AI Semantic Search</b>	(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.	

<b>Python Shell/Terminal</b>	(Python, Automation, Cross-Platform)
• Developed a cross-platform command-line terminal supporting Linux and Windows commands with Git integration, system utilities, and process automation features.	

## 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**)