

# Harsh Dhumal

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[GitHub](#)

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## Profile Summary

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Computer Science undergraduate and aspiring DevOps engineer with practical experience in Linux systems, Bash scripting, container orchestration using Docker, and version control with GitLab.

## Education

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**VIT Bhopal University**, Bhopal, Madhya Pradesh

B.Tech. in Computer Science and Engineering

2022 – 2026 (Expected)

- CGPA: 7.93

**GVN, The Global School**, Bhopal, Madhya Pradesh

2019 – 2021

- Percentage: 80.2%

**Sagar Public School, Saket Nagar**, Bhopal, Madhya Pradesh

2019

- Percentage: 89.8%

## Technical Skills

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**Programming Languages:** C++, Java, Python, JavaScript, HTML/CSS

**Tools and Platforms:** GitLab, GitHub, Docker, MySQL, CI/CD, Jenkins, AWS EC2, Linux (Ubuntu, Bash)

## Projects

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### –Three Tier Web App with Docker-Compose

- Deployed a Django web application using **NGINX** as a reverse proxy and **MySQL** as the back-end data-base, therefore achieving a 40% reduction in manual deployment steps.
- Developed 3 core configuration files: Dockerfile, docker-compose.yml, and default.conf to enable seamless container orchestration and efficient routing using NGINX.
- Set up three isolated containers and connect them via a dedicated Docker **bridge network** to ensure a secure modular architecture.
- Introduced **health checks** to monitor container health and ensure reliable service availability, which reduced unexpected downtime by 30% during testing.
- Optimized image layers to reduce Docker build time by 25%, improving CI/CD cycle efficiency.
- Initiated environment variables to manage credentials and sensitive data securely.

### –Phish-Defender Website

- Built a responsive phishing URL detection platform as part of a 4-member team, this enabled detection and analysis of 100+ URLs during testing.
- Implemented scroll-triggered animations using **GSAP** and **Locomotive Scroll** to build a high-energy user interface that increased user engagement by 50%.
- Engineered MySQL database schema, normalizing data and optimizing query performance, contributing to a estimated 30% faster response time.
- Designed a results dashboard to visually represent flagged URLs, enhancing decision speed by over 35%.
- Integrated a URL submission form with custom validation logic, enabling automated content analysis and categorization; processed 1,000+ URLs, improving content relevance scores by 20%.

## Achievements

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- Selected among the top 10 teams out of 200+ entries at the **Prod-E-G Hackathon 2023**, organized by DSEU University, Guna, for developing the **NurtureWise Agro Project** as an innovative agricultural tech solution [View Certificate](#)

## Certifications

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- **The Bits and Bytes of Computer Networking**, Coursera — 2023
- **MERN Full Stack Certification**, SmartBridge — 2025
- **DevOps Fundamentals**, IBM — 2025