

# VISHAL SHARMA

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## EDUCATION

### Bachelor of Computer Applications (BCA)

Graduated July 2024

Makhanlal Chaturvedi National University of Journalism and Communication, Bhopal

7.5 CGPA

Graffix College, Guna

Relevant coursework: Operating System, Computer Networks, Cloud Fundamentals

## TECHNICAL SKILLS

**Containerization & Orchestration:** Docker, Kubernetes, Helm

**CI/CD & Automation:** Jenkins, Gitlab CI/CD, GitHub Actions (familiar)

**Cloud Platforms:** Amazon Web Services (AWS), Microsoft Azure

**Monitoring & Observability:** Prometheus (Familiar)

**Version Control & Collaboration:** Git, GitHub, GitLab, Jira

**Operating Systems & Scripting:** Linux (Ubuntu, Arch), Shell Scripting, Python, Go (Familiar)

## PROFESSIONAL EXPERIENCE

### Sharma & Company, Burhanpur, MP: System Admin Intern

Jan 2025 - June 2025

- Troubleshooting of all desktop and technical issues.
- Responsible for managing LAN and devices like local and network printers.
- Handling all critical issues related to the network, system, and software.
- Reduced system downtime by 50% through streamlined troubleshooting workflows and faster issue resolution.

## TECHNICAL PROJECTS

### Containerized Deployment Project – Online Shop (Docker + AWS EC2)

Deployed a cloud-hosted application using Docker reducing image size and improving deployment speed.

- Successfully deployed the Online Shopping Portal on the internet using DevOps automation tools.
- Improved deployment speed by 50% and reduced Docker image size by 1GB using multi-stage builds.
- Ensured security and efficiency by implementing Docker Scout for vulnerability analysis.
- Automated the setup process with Docker Installation Scripts and Docker Compose for easy deployment.
- Deployed the application on Amazon EC2, making it accessible and scalable for real users.

### Containerized Web Application Deployment on Azure

September 2025

Implemented a CI/CD pipeline and deployed a containerized web application on Azure.

- Orchestrated the end-to-end deployment of a containerized three-tier application (Java backend, JavaScript frontend, MySQL database) on Microsoft Azure using Docker Compose and Jenkins CI/CD.
- Designed and implemented a zero-touch Jenkins CI/CD pipeline to automate build, scan, push, deploy for frontend and backend services, reduced manual release steps from 6 to 1.
- Implemented automated rollback to the last stable image on deployment failure, ensuring safe recoveries and minimizing production impact.

## CERTIFICATES

### CISCO CERTIFIED NETWORK ASSOCIATE

March 2024 – March 2027

Issuing Authority: Cisco Systems

### TCS NPT IT – Network Engineer

Nov 2024 – Nov 2026

Issuing Authority: Tata Consultancy Services