

# Umair Malik

umairmalik0@proton.me | +91 83054 03313 | linkedin.com/in/umairmalik01 | github.com/umair-moon-malik

## SUMMARY

Computer Science undergraduate at VIT Bhopal University with hands-on experience in full-stack web development using Next.js, React.js, Node.js, MongoDB, Docker, and AWS. Skilled in building scalable and responsive web applications with experience in authentication systems, real time communication, cloud deployment, and containerized environments. Developed and deployed production-ready platforms including a large scale CTF platform and collaborative academic systems. Passionate about software engineering, modern web technologies, and building performant user focused applications.

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Python, C++, Java, Bash, HTML, CSS

**Frontend:** React.js, Next.js, Tailwind CSS, Framer Motion, ShadCN

**Backend:** Node.js, Express.js, Socket.io, JWT

**Databases & Cloud:** MongoDB, Cloudinary, AWS EC2, AWS CloudFormation

**DevOps & Tools:** Docker, Docker Compose, Traefik, Git, GitHub, GitLab, Linux, Postman, Winston

## PROJECTS

### Cyber CTF Platform

*Next.js, Node.js, MongoDB, Docker, Socket.io, Traefik, JWT, BcryptJS*

[Source Code](#)

- Architected and deployed a production-grade Capture the Flag platform featuring an admin-controlled challenge pipeline, OTP-based authentication, and role-based authorization.
- Engineered per-team Dockerized challenge instances with unique flag generation to enforce isolation; integrated real-time leaderboards and team analytics via Socket.io.
- Successfully hosted two large-scale events with 200+ participants achieving zero downtime throughout.

### Xero Brokerage – Real Estate Platform

*Next.js, MongoDB, Cloudinary*

[xerobrokerage.in](#)

- Developed a full-stack real estate platform supporting multi-category property listings, Cloudinary-powered image uploads, and session-based secure authentication.
- Delivered a mobile-first responsive interface with optimized navigation and cross-device compatibility.

### InnoVIT – Collaborative Academic Platform

*React.js, Express.js, Node.js, MongoDB*

[innovit.onrender.com](#)

- Built a collaborative academic platform supporting threaded discussions, resource sharing, and structured doubt resolution for university students.

## EXPERIENCE

### Web Developer Team Lead

Jan 2025 – Present

*Null Student Chapter, VIT Bhopal*

*Bhopal, MP*

- Developed and maintain the chapter's official website using Next.js; oversee a team responsible for feature development, code reviews, and deployment.

### Technical Member

Nov 2024 – Present

*BashCraft Club, VIT Bhopal*

*Bhopal, MP*

- Contribute to website maintenance and coordinate technical operations for club workshops and competitive programming events.

## EDUCATION

### VIT Bhopal University

Expected May 2027

*B.Tech, Computer Science & Engineering – CGPA: 8.2 / 10*

*Bhopal, MP*

### Raj Heights The Global School, Mandideep

Aug 2021

*Senior Secondary (XII), CBSE – Science – 84.00%*

*Bhopal, MP*

## CERTIFICATIONS

- **NPTEL** – Marketing Analytics, Score: **91/100 (Elite + Gold)**, Jan–Apr 2026 [Certificate]
- **NPTEL** – Introduction to Machine Learning, Jan–Apr 2025 [Certificate]
- **IBM** – DevOps, Agile & Design Thinking, Adroit Prolearn [Certificate]
- **AWS Educate** – Getting Started with Serverless | Storage | Networking [B1], [B2], [B3]