

Rishika Awasthi

+91 7030020830

— rishikaaawasthi@gmail.com

— Nagpur, India

Profile

Undergraduate in Computer Science (Cybersecurity and Digital Forensics) with hands-on experience in system security, DevOps, and full-stack development. Completed a technical internship and delivered AI and authentication projects. Skilled in Java, JavaScript, MySQL, Git, and modern cybersecurity tools.

Education

VIT Bhopal University, India

B.Tech in Computer Science and Engineering — Cyber Security and Digital Forensics

CGPA: 8.49/10

Expected Graduation: May 2026

Technical Skills

Languages: Java, JavaScript, HTML, CSS, SQL

Tools: Git, GitHub, Visual Studio Code, Docker, Jenkins, OpenCV

Database: MySQL

Concepts: Network Security, DevOps, CI/CD, Authentication, DSA, Agile, OOP

Certifications

Cybersecurity Analyst Professional Certificate — IBM

Experience with threat detection, QRadar SIEM, incident response, and security monitoring.

DevOps Fundamentals — IBM/Coursera

Built CI/CD pipelines using Git, Jenkins, Docker; managed deployments and version control.

Foundations of Cyber Physical Systems — NPTEL

Modeled CPS using control theory and real-world verification.

Internship Experience

Technical Intern, Oakland Systems Pvt. Ltd., Nagpur

Oct 2024 – Dec 2024

- Developed and tested internal tools used by 50+ clients.
- Automated reporting tasks, reducing manual workload by 20%.
- Participated in Agile standups, version control, and UI debugging.
- Reported security issues; two fixes implemented.

Academic Projects

Deep Fake Detection using AI

- Built a CNN model with YOLOv5 architecture to detect image forgeries with 85% accuracy.
- Processed and labeled 2000+ images using Python and OpenCV.
- Deployed a working prototype via Streamlit.

PictoShield: Graphical Authentication System

- Created a secure image-based login using JavaScript, Flask, OpenCV.
- Simulated click patterns across 3 test groups; reduced false positives by 35%.
- Used hashing and pattern-matching for secure verification.

Leadership and Campus Engagement

Vice President, iOS Club

2024 – 2025

- Increased participation by 30% through workshops and guest sessions.
- Partnered with industry mentors for iOS and cybersecurity sessions.

Hostel Coordinator, VIT Bhopal

- Managed hygiene and safety for 300+ residents; resolved student issues.
- Coordinated communication between residents and administration.

Additional Information

Languages: English, Hindi

Hobbies: Cybersecurity blogging, Hackathons, Public speaking, Event planning