Rishika Awasthi

rishikaaawasthi@gmail.com | +91 7030020830 | Nagpur, India
GitHub | LinkedIn

Education

VIT Bhopal University, India — Expected May 2026
B.Tech in Computer Science and Engineering (Cybersecurity & Digital Forensics)
CGPA: 8.49/10

Technical Skills

Languages/Tools: Java, JavaScript, HTML, CSS, SQL, Git, GitHub, Docker, Jenkins, OpenCV
Concepts/Database: MySQL, Network Security, DevOps, CI/CD, Authentication, DSA, Agile, OOP

Certifications

- Cybersecurity Analyst Professional Certificate (IBM)
- DevOps Fundamentals (IBM/Coursera)
- Foundations of Cyber Physical Systems (NPTEL)

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 (YOLOv5) to detect 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.
- Reduced false positives by 35% in 3 test groups.
- 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.

Hostel Coordinator, VIT Bhopal -
Managed hygiene and safety for 300+ residents; coordinated with administration to resolve issues.

Additional Information

Languages: English, Hindi
Hobbies: Cybersecurity blogging, Hackathons, Public speaking, Event planning