

# Rishika Awasthi

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— 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: 8.47/10

*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**

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**Languages:** English, Hindi

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