

Rishabh Arora

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Education

VIT Bhopal University

B.Tech in Computer Science

- CGPA 8.22

Bhopal, India

Aug 2023 – present

Experience

Cyber Security Intern

TheRedUser

Livingston, LA, USA

Feb 2025 – Mar 2025

- Analyzed network traffic with Wireshark, identifying and reporting various threats.
- Hardened simulated environments using firewalls and WPA2/WPA3 encryption.
- Detected and mitigated OWASP Top 10 vulnerabilities using ZAP and WebGoat.

Cybersecurity Intern

Madya Pradesh Police

Madya Pradesh, India

Mar 2025 – June 2025

- Built a cyber safety awareness platform for students.
- Worked on phishing detection and vulnerability assessment.
- Assisted in designing incident response workflows.

Projects

TrojaNix

Nov 2024

AI-Powered Malware & DDoS Prevention System

- Built malware detection using static/dynamic analysis, SVM, and neural networks.
- Achieved Top 10 in National Malware Analysis Hackathon IIT Madras.

Graphical Authentication System

June 2024

- Designed an image-grid authentication model inspired by banking security.
- Enhanced resistance against brute-force and shoulder-surfing attacks.

Skills

Programming&Tools: C/C++, Java, Bash, SQL Nmap, Metasploit, Burp Suite, Wireshark, John the Ripper, Hydra

Frameworks: OWASP Top 10, MITRE ATT&CK, Cyber Kill Chain

Concepts: Penetration Testing, Vulnerability Assessment, Malware Analysis (Static & Dynamic), Incident Response, Network Security, Cryptography, Authentication Protocols

Certifications

- Google Cybersecurity Certificate(Coursera)
- Pre-Security(TryHackMe)

Achievements

- IIT Madras Malware Analysis Hackathon top 10
- Won 4 National level hackathons.