

Aditi Pandey

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EDUCATION

2022 – 2026 **B.Tech in Computer Science Engineering** at VIT Bhopal University CGPA: 8.58/10
Specialisation in Cyber Security and Digital Forensics

SKILLS

Languages	Java, Python, SQL, JavaScript, HTML/CSS
Cybersecurity Skills	Network Security, Web Application Security, Cloud Security(AWS,AZURE), Vulnerability Assessment & Penetration Testing, Incident Response, Threat Hunting.
Tools/OS	Kali Linux, Wireshark, Nmap, Splunk, Metasploit, Burpsuite, IDA pro.
Coursework	Data Structures and Algorithms, Computer Networks, Operating Systems, Database Management System, CEH Ethical Hacking Course, AWS Cloud Practitioner Course.
Soft Skills	Problem-solving, Communication, Team-work

Projects

SIEM Integration with AI Chatbot - Security Automation, Python 2025

- Engineered automated incident enrichment workflows integrating Microsoft Sentinel with ChatGPT via Azure Logic Apps, reducing incident response time by 50%
- Innovated log correlation and incident triage pipelines, strengthening system monitoring and reliability with AI-powered automation
- Developed detailed analysis reporting post-incident, improving threat detection accuracy by 70% and operational efficiency by 25%

Email Monitoring System - Real-time Phishing Detection Tool 2024

- Developed a real-time monitoring tool for phishing and policy violations using Python with NLP techniques and ensemble machine learning models.
- Implemented robust email content analysis and threat classification for comprehensive security monitoring.
- Achieved 97% accuracy in phishing detection, reducing manual efforts by 60% and improving threat response time by 40%.

Work Experience

Cybersecurity Intern, Redynox 2025

- Performed comprehensive network security analysis using Wireshark to monitor and analyze network traffic, identifying suspicious activities and potential threats
- Executed web application vulnerability assessments using OWASP ZAP and WebGoat, discovering critical vulnerabilities including SQL Injection, XSS, and CSRF
- Implemented basic security measures including firewall configurations and network encryption protocols, enhancing overall network security posture

Certifications

2025 IBM Professional Cybersecurity Analyst ; SOC Fundamentals
2024 IBM Gen AI
2023 NPTEL Cyber Physical Systems
2022 Coursera Computer Networking (Bits and Bytes of Computer Networking), Google

Additional Information

- Featured on Times Square Billboard (New York, Aug 2025) – Topmate’s Global Creator Recognition
- Ranked in the Top 3% globally on TryHackMe
- Selected to Prototype Round in American Express Girl Hackathon 2024
- Successfully investigated first security incident with comprehensive threat analysis in LetsDefend Security Lab
- Core member of Microsoft Club and Insights Club at VIT Bhopal University
- Active participant in Codeforces Division 3