

Aditi Pandey

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Education

VIT Bhopal University

Bachelor of Technology in Computer Science and Engineering, CGPA: 8.58/10

- Specialisation in Cyber Security and Digital Forensics

Bhopal, Madhya Pradesh

Oct. 2022 – 2026

Skills

- **Languages:** Java, Python, MySQL, JavaScript, HTML/CSS
- **Cybersecurity Skills:** Linux, VAPT, Web Application Security, SIEM, SOC Operations, Network Security, Cloud Security (AWS, Azure), Tools: Metasploit, Wireshark, Nmap, Burpsuite
- **Relevant Courses:** Data Structures and Algorithms, Database Management System, Computer Networks, Operating System, Cyber Physical Systems, Cybercrime and Laws, CEH Ethical Hacker Course, AWS Cloud Practitioner Course
- **Soft Skills:** Teamwork, Event Management

Project Experience

Microsoft Sentinel SIEM

[Link](#)

Cloud Security Project

- Deployed Microsoft Sentinel to simulate **real-time cloud threat monitoring** using Microsoft Entra ID logs and custom analytics rules.
- Gained hands-on experience in SIEM workflows including data ingestion, incident lifecycle management, threat detection, and dashboard visualization.
- Implemented a monitoring solution covering 15+ security event types with automated alerting and incident response workflows.

EduTrack – Student Record System

[Link](#)

Web Development Project

- Built a full-featured **CRUD web application** for student data management with functionality to add, update, delete, and search records.
- Designed a responsive UI using **HTML, CSS, and JavaScript**, with dynamic table updates and form validation for error-free inputs.
- Integrated search and record filtering by multiple fields, improving usability and scalability for future database integration.

Email Monitoring System

Python Development Project

- Developed a **real-time phishing detection system** leveraging Python with NLP and ensemble machine learning models.
- Implemented robust email content analysis, threat classification, and monitoring pipelines for policy compliance.
- Achieved 97% phishing detection accuracy, reducing manual review efforts by 60% and improving incident response times by 40%.

Certifications

- Professional Cyber Security Analyst: IBM
- SOC Fundamentals
- Gen AI: IBM
- Cyber Physical System: NPTEL
- Bits and Bytes of Computer Network: Coursera

Achievements

- **AmexGirl Hackathon 2024:** Selected up to the prototype round for the American Express Girl Hackathon 2024.
- **LetsDefend Lab:** Successfully caught the first alert and investigated the first incident at LetsDefend Lab.
- **Deloitte:** Cyber Job Simulation, Virtual Internship.
- Ranked in the Top 3% globally on TryHackMe with 900+ streaks.
- Attended Codeforces Div.3 contest.
- Member of Microsoft Club and Insights Club at VIT Bhopal.