

# 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
- **Technical Skills:** Linux, Web Security, SOC, SIEM, Network & Cloud Security (AWS, Azure), Automation & Manual Testing, Full Stack(Frontend, Backend): Tools-Wireshark, Metasploit, Nmap, Git.
- **Relevant Courses:** Data Structures and Algorithms, Database Management System, Computer Networks, Operating System, Cyber Physical Systems, CEH Ethical Hacker Course, AWS Cloud Practitioner Course, Blockchain Cryptography.
- **Soft Skills:** Communication, Teamwork, Problem-Solving, Collaboration

## PROJECT EXPERIENCE

### 1-SIEM Integration with AI Chatbot | *Microsoft Sentinel*

Security Automation Project

- Integrated Microsoft Sentinel with ChatGPT via logic applications to automate incident enrichment and response using AI-generated contextual insights from alerts.
- Enhanced detection and triage capabilities, strengthened skills in log correlation, security automation, and AI-driven threat analysis.
- Reduced incident response time by 50% and improved threat detection accuracy through automated AI-powered analysis.

### 2-Microsoft Sentinel SIEM | *Real-time Cloud Threat Monitoring*

Cloud Security Project

- Deployed Microsoft Sentinel to simulate real-time cloud threat monitoring with Microsoft Entra ID logs and created custom analytics rules.
- Gained hands-on experience in SIEM data flow, incident lifecycle, dashboard visualization, log ingestion, threat detection, and cloud-based security operations.
- Successfully implemented a comprehensive monitoring solution covering 15+ types of security events with real-time alerting capabilities.

### 3-Email Monitoring System | *Real-time Phishing Detection Tool*

Python Development Project

- 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%.

## 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,150+ problems solved on Leetcode.
- Member of Microsoft Club and Insights Club at VIT Bhopal.