ADITI PANDEY

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Education

VIT Bhopal University — 2022–2026
Bachelor of Technology in Computer Science Engineering — CGPA 8.58/10

Skills

Languages: Java, Python, SQL, JavaScript, HTML/CSS
Technical Skills: Frontend, backend, APIs, CNN, Network Security, Automation, Cloud Computing
Tools/OS: Linux, Git, PyTorch, GPT, MATLAB, Wireshark, Nmap, Metasploit, VS Code.

Relevant Coursework: Data Structures and Algorithms, Linear Algebra, Computer Networks, Differential Calculus, Operating Systems, Numerical Methods, DBMS, AWS Cloud Practitioner.

Projects

SIEM Integration with AI Chatbot — 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 and user satisfaction by 70%.
- Established task automation ensuring organized and efficient environment, resulting in 25% increase in operational efficiency.

Microsoft Sentinel SIEM - Real-time Cloud Threat Monitoring — 2024
- Deployed real-time monitoring dashboards and custom analytics rules for cloud infrastructure security, covering 15+ security event types.
- Unified automated alerting capabilities with log ingestion pipelines, achieving 60% improvement in real-time threat synchronization.
- Devised comprehensive threat detection system blocking over 1,500 potential security incidents, enhancing system trust by 20%.
- Integrated automated security incident management, boosting system uptime and improving response times by 40%.

Email Monitoring System - Real-time Phishing Detection Tool — 2023
- Developed Python-based monitoring system leveraging ML classification for phishing detection, cutting fraudulent emails by 50%.
- Unified automation scripts for continuous email scanning and threat reporting, ensuring secure user authentication.
- Devised behavior analysis for email policy violation detection, enhancing system reliability with 97% detection accuracy.
- Integrated Random Forest ML Model, boosting system accuracy and reducing manual review workload by 60%.

Certifications

- IBM Professional Cyber Security Analyst
- SOC Fundamentals - LetsDefend, Apr 2025
- IBM Generative AI Essentials, IBM, May 2025
- NPTEL Cyber Physical Systems, NPTEL, Jul 2024
- Coursera Computer Networking (Bits and Bytes of Computer Networking), Google, Jan 2023

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 the first security incident with threat analysis in the LetsDefend Security Lab.
- Core member of Microsoft Club and Insights Club at VIT Bhopal University
- Active participant in Codeforces Division 3