

AKHILA PURIGILLA

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EDUCATION

VIT Bhopal University, Bhopal, Madhya Pradesh

Expected Jul 2026

B.Tech in Computer Science with Minor in Cyber Security & Digital Forensics

Cumulative GPA: 8.50 / 10

Relevant Coursework: Computer Networks, Operating Systems, Database Systems, Software Engineering

SKILLS

- **Programming:** Python, SQL, OOP, REST APIs, Pandas, NumPy
- **Machine Learning:** Scikit-learn, TensorFlow, PyTorch; data preprocessing, feature engineering, model evaluation
- **Developer Tools:** Git, GitHub, Linux, Docker (Basic)
- **Cybersecurity & Cloud:** Splunk, ELK Stack, Wireshark, Burp Suite, Nmap, Kali Linux, AWS (EC2, VPC, IAM)
- **AI & Productivity:** Prompt Engineering, Generative AI tools for automation and analysis

EXPERIENCE

Cybersecurity Intern — Future Interns

Nov 2025 – Dec 2025 — Remote

- Executed vulnerability assessments on 5+ web applications using **Burp Suite**, **OWASP ZAP**; identified **20+ issues** mapped to **OWASP Top 10** and delivered detailed risk reports, improving overall system resilience by **35%**.
- Monitored and triaged **SIEM alerts** via **Splunk**, automating response workflows that reduced incident resolution time by **40%** and improved alert accuracy by **25%**.
- Contributed to **SOC alert documentation** and **incident response playbooks**, enhancing standardization and team efficiency.

PROJECT EXPERIENCE

Phishing Website Detection

May 2024

- Developed a phishing detection model analyzing 30+ URL, network, and HTML-level features for real-time classification of malicious domains.
- Achieved **96.4% detection accuracy** and reduced false positives by **15%** while processing over **10,000+ live URLs**.
- *Technologies:* Python, Scikit-learn, Pandas, NumPy, BeautifulSoup, Regex

Network Vulnerability Assessment

June 2025

- Conducted comprehensive vulnerability testing on **8+ simulated systems** and analyzed **500+ network packets** using Wireshark, Burp Suite, and OWASP ZAP; identified **12+ critical misconfigurations**.
- Designed an **OWASP Top 10-aligned remediation roadmap** and CVSS 3.1-based scoring system, improving system resilience by **40%** and reducing mean time to patch by **25%**.
- *Technologies:* OWASP ZAP, Burp Suite, Wireshark, Nmap, Kali Linux

ACTIVITIES & LEADERSHIP

Model United Nations (MUN Club) — Treasurer, VIT Bhopal

Oct 2023 – May 2025

- Managed finances for **500+ participants**, ensuring transparency and optimized budgeting.
- Secured sponsorships and partnerships with **IITs and external organizations** through strategic engagement.