

PURIGILLA AKHILA

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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

SKILLS

Programming	Python, Java (Basics), SQL, OOP, REST APIs
Machine Learning / Data	Scikit-learn, TensorFlow, PyTorch; data preprocessing, feature engineering
Developer Tools	Git, GitHub, Linux, Docker (Basic)
Cloud & Cybersecurity	AWS (EC2, VPC, IAM, S3), Splunk, Wireshark, Burp Suite, Nmap, Kali Linux
Web & Database	React JS, Oracle / MySQL, API Integration

PROJECTS

Phishing Website Detection *May 2024*

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

Network Vulnerability Assessment *June 2025*

- Conducted vulnerability testing on 8+ simulated systems and analyzed 500+ packets using Wireshark, Burp Suite and OWASP ZAP.
- Designed an OWASP Top 10 remediation roadmap and CVSS 3.1-based scoring system, improving system resilience by 40%.
- Technologies:** OWASP ZAP, Burp Suite, Wireshark, Nmap, Kali Linux

Cloud-Based Security Log Analyzer with Threat Prediction *Mar 2025*

- Developed a centralized SIEM-inspired log analyzer that processes system, network, and application logs to detect and classify security incidents in real time.
- Built an ML model to predict threat likelihood using anomaly detection on 25,000+ log entries, reducing false-positive alerts by 38%.
- Implemented automated IP blocking and security alert notifications through Flask APIs for quick remediation.
- Technologies:** Python, Flask, Scikit-learn, AWS EC2, S3, IAM, Splunk (dataset simulation)

ACTIVITIES & LEADERSHIP

Model United Nations (MUN Club) — Treasurer, VIT Bhopal *Oct 2023 – May 2025*

- Managed finances for 500+ participants with transparent budgeting and auditing.
- Secured sponsorships and partnerships with IITs and external organizations through strategic outreach.

iOS Club — PR Team Lead, VIT Bhopal *Aug 2024 – May 2025*

- Spearheaded digital campaigns for flagship events, increasing engagement by 60%.
- Coordinated across technical and creative teams, demonstrating strong collaboration and strategic communication.

ADDITIONAL INFORMATION

- Languages:** English, Hindi, Telugu
- Certifications & Training:** IBM Cybersecurity Analyst, CISCO Cybersecurity Analyst, IBM GenAI Essentials, Google Project Management, Google Professional Cybersecurity Course