

# PURIGILLA AKHILA

+91 7075088867 ◊ Hyderabad, Telangana

a.purigilla@gmail.com ◊ [linkedin.com/in/akhila-purigilla-6bb2a224b](https://linkedin.com/in/akhila-purigilla-6bb2a224b) ◊ [github.com/akhilapurigilla](https://github.com/akhilapurigilla)

## EDUCATION

<b>VIT Bhopal University, Bhopal, Madhya Pradesh</b> B.Tech in Computer Science with Minor in Cyber Security & Digital Forensics Cumulative GPA: 8.50 / 10	Expected Jul 2026
--	-------------------

## SKILLS

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

## PROJECTS

<b>Phishing Website Detection</b>	May 2024
<ul style="list-style-type: none"><li>Developed a phishing detection model analyzing 30+ URL, network, and HTML-level features for real-time malicious URL classification.</li><li>Achieved 96.4% detection accuracy and reduced false positives by 15% across 10,000+ tested live URLs.</li><li><b>Technologies:</b> Python, Scikit-learn, Pandas, NumPy, BeautifulSoup, Regex</li></ul>	
<b>Network Vulnerability Assessment</b>	June 2025
<ul style="list-style-type: none"><li>Conducted vulnerability testing on 8+ simulated systems and analyzed 500+ packets using Wireshark, Burp Suite and OWASP ZAP.</li><li>Designed an OWASP Top 10 remediation roadmap and CVSS 3.1-based scoring system, improving system resilience by 40%.</li><li><b>Technologies:</b> OWASP ZAP, Burp Suite, Wireshark, Nmap, Kali Linux</li></ul>	
<b>Cloud-Based Security Log Analyzer with Threat Prediction</b>	Mar 2025
<ul style="list-style-type: none"><li>Developed a centralized SIEM-inspired log analyzer that processes system, network, and application logs to detect and classify security incidents in real time.</li><li>Built an ML model to predict threat likelihood using anomaly detection on 25,000+ log entries, reducing false-positive alerts by 38%.</li><li>Implemented automated IP blocking and security alert notifications through Flask APIs for quick remediation.</li><li><b>Technologies:</b> Python, Flask, Scikit-learn, AWS EC2, S3, IAM, Splunk (dataset simulation)</li></ul>	

## ACTIVITIES & LEADERSHIP

<b>Model United Nations (MUN Club) — Treasurer, VIT Bhopal</b>	Oct 2023 – May 2025
<ul style="list-style-type: none"><li>Managed finances for 500+ participants with transparent budgeting and auditing.</li><li>Secured sponsorships and partnerships with IITs and external organizations through strategic outreach.</li></ul>	
<b>iOS Club — PR Team Lead, VIT Bhopal</b>	Aug 2024 – May 2025
<ul style="list-style-type: none"><li>Spearheaded digital campaigns for flagship events, increasing engagement by 60%.</li><li>Coordinated across technical and creative teams, demonstrating strong collaboration and strategic communication.</li></ul>	

## ADDITIONAL INFORMATION

<ul style="list-style-type: none"><li><b>Languages:</b> English, Hindi, Telugu</li><li><b>Certifications &amp; Training:</b> IBM Cybersecurity Analyst, CISCO Cybersecurity Analyst, IBM GenAI Essentials, Google Project Management, Google Professional Cybersecurity Course</li></ul>
--