

PAVAN ALAPATI

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PROFILE SUMMARY

Cybersecurity enthusiast with a strong foundation in network security, vulnerability assessment, and security policy implementation. Skilled in identifying and addressing security vulnerabilities through penetration testing and threat analysis. Proficient in utilizing cybersecurity tools and frameworks to strengthen organizational security. Ready to contribute to a security team and apply practical cybersecurity knowledge in real-world scenarios.

EDUCATION

- KL University, Vijayawada** CGPA: 8.9 /10 | 2022 - 2026
B. Tech in Computer Science and Engineering
- Narayana Junior College** Scored: 82% | 2020 - 2022
XII - Mathematics, Physics, Chemistry

EXPERIENCE

- Cybersecurity Intern at APSSDC** Mar' 2024 - May' 2024
 - Gained hands-on experience in vulnerability assessment, identifying and addressing potential security vulnerabilities.
 - Performed 4 Web and 2 Network Penetration Tests, uncovered 2 Medium & 5 Low severity bugs.
 - Developed a keylogger project to enhance knowledge of cybersecurity threats and threat detection techniques.
- Student Peer Mentor KL University & Cyber Security Club Lead** Apr' 2023 - Present
 - Served as a Student Peer Mentor for courses Computer Networks, Security, Cryptanalysis, and Cyber Defense.
 - Organized and conducted multiple Capture the Flag (CTF) challenges and training sessions to enhance practical cybersecurity skills.

PROJECT EXPERIENCE

- Vulnerability Scanner**
 - Architected a high-precision vulnerability scanner achieving 95% accuracy in detecting XSS, SQL Injection, Remote Code Execution, and Local File Inclusion vulnerabilities
 - Automated 90% of the vulnerability detection process, significantly enhancing efficiency and reducing manual intervention
- Google Dorker**
 - Developed a sophisticated web-based tool leveraging Google Dorking techniques to automate the discovery of exposed sensitive information
 - Implemented advanced search query to identify potential security vulnerabilities in publicly accessible data

TECHNICAL SKILLS

- Penetration Testing:** Web App (OWASP), Host (Windows/Linux), Network.
- Administration:** WAF rule writing
- Tooling:** Burp Suite, SQLMap, Metasploit, Nessus, Nmap, Hashcat, OWASP Zap, Wireshark, OpenVAS, BloodHound
- Conceptual Knowledge:** MITRE ATT&CK, OS
- Programing Knowledge:** C, Bash, PowerShell, Python

Achievements & Honors

- Ranked Top 3% globally on TryHackMe, a hands-on cybersecurity training platform. Aug' 2024
- Secured Top 20 position out of 1000 teams in the Apoorv 2024 CTF competition hosted by IIIT. Apr' 2024
- Achieved a Top 30 position in the NCIIPC AICTE Pentathon 2024. Mar' 2024
- Placed 6th out of 500 participants in the BIT Guard Hackathon Jan' 2024

GLOBAL CERTIFICATIONS

- Fortinet Certified Associate in Cybersecurity Jul' 2024
- TRYHACKME - Learning Path (Jr Pentester , Pentest+) Jun' 2024
- CyberWarFare Labs - Cyber Security Analyst Oct' 2023
- SecOps - Certified Network Security Practitioner (CNSP) Aug' 2023

Research Publications

- Synergizing AI and Automation: Enhancing Penetration Testing with Tools and AI Copilots Awaiting: IEEE