Pavan Kumar Bhojanapu
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Projects

Web App Penetration Testing & Malware Analysis Lab   **July 2025 - Aug 2025**

- Conducted penetration testing on DVWA, exploiting and documenting OWASP Top 10 vulnerabilities with proof-of-concepts and remediation steps
- Deployed a malware analysis lab using FlareVM & REMnux for safe static/dynamic analysis of malicious binaries
- Identified and reported Indicators of Compromise (IOCs) such as registry changes, file artifacts, and network behaviors, strengthening incident response documentation

  Tools: Burp Suite, OWASP ZAP, DVWA, FlareVM, REMnux, Wireshark

Automated Vulnerability Scanner   **June 2025 - Aug 2025**

- Engineered a Python-based vulnerability scanner integrating Nmap with CVE database API for automated port/service enumeration
- Automated vulnerability lookups and severity classification, generating professional PDF reports for easy analysis
- Optimized scanning workflows to support custom targets and formats, enhancing efficiency in penetration testing

  Tools: Python, Nmap, Vulners API, FPDF

Certificates

Make In-House Hacking and Pentesting Lab   **August 2025**
EC-Council

Cloud computing   **November 2024**
NPTEL

Java Application Development   **July 2024**
LPU

C Programming for beginners-Master the C language   **February 2023**
Udemy

Technical Skills

Languages Java, C/C++, Python, JavaScript

Technologies/Frameworks: Metasploit, Wireshark, Nmap, Burp Suite, Nessus, Git, GitHub

Skills: Programming & Development, Cybersecurity & Networking, Problem-Solving & Debugging

Operating Systems: Ubuntu/Linux, Windows, FireVm

Education

Lovely Professional University Punjab   **2022 – 2026**
Computer Science and Engineering — CGPA: 7.23   *Jalandhar, Punjab*

Sri Chaitanya Junior Collage   **2020 – 2022**
12th — Percentage: 89%   *Bachupally, Hyderabad*

MNR School of Excellence   **2019 – 2020**
10th — Percentage: 59%   *Hyderabad, Telangana*