

Projects

Web App Penetration Testing & Malware Analysis Lab

July 2025 - Aug 2025

- Conducted penetration testing on DVWA, analyzing and exploiting OWASP Top 10 vulnerabilities with proof-of-concepts and remediation steps
 - Configured and deployed a malware analysis lab using Flare VM & REMnux for safe static and dynamic analysis of malicious binaries
 - Identified and documented Indicators of Compromise (IOCs) such as registry changes, file artifacts, and network behaviors, enhancing incident response processes
- Tools: Burp Suite, OWASP ZAP, DVWA, Wireshark

Automated Vulnerability Scanner

June 2025 - Aug 2025

- Engineered and integrated a Python-based vulnerability scanner combining Nmap with CVE database API for automated port/service enumeration
 - Automated and streamlined vulnerability lookups with severity classification, generating professional PDF reports for easy analysis
 - Optimized and improved scanning workflows to support custom targets and formats, boosting 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

Operating Systems: Ubuntu/Linux, Windows, FLARE VM

Hard Skills: Malware Analysis, Vulnerability Assessment, Network Security Analysis

Soft Skills: Analytical Thinking, Attention to Detail, Team Collaboration, Adaptability, Time Management, Continuous Learning

Education

Lovely Professional University

2022 – 2026

B.Tech in Computer Science and Engineering — CGPA: 7.23

Phagwara, Punjab

Sri Chaitanya Junior College

2020 – 2022

12th — Percentage: 89%

Bachupally, Hyderabad

MNR School of Excellence

2019 – 2020

10th — Percentage: 59%

Hyderabad, Telangana