

RAVINDHAR V

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SUMMARY

Passionate and detail-oriented Cyber Security Engineer with a solid foundation in penetration testing, network security, and IoT solutions. Eager to contribute to a forward thinking organization while continuously expanding skills in cyber forensics, SOC operations, and incident response. Strong problem-solving skills and attention to detail enable me to effectively identify and address complex challenges in cybersecurity.

EXPERIENCE

Cybersecurity Specialist

NIIT Institute

- Completed in-depth training in Linux system administration, Python scripting, and network protocols including TCP/IP.
- Gained hands-on experience in ethical hacking, vulnerability scanning, and exploitation techniques across diverse systems.
- Acquired practical knowledge of cloud computing, containerized infrastructure, and security operations in modern IT environments.

Web Design Intern (Focus: Security)

Asia University, Taiwan (Remote/Collaborative Project)

- Developed responsive web interfaces using HTML, CSS, and JavaScript with a focus on usability and secure coding practices.
- Implemented input validation, output encoding, and contributed to identifying and mitigating OWASP Top 10 vulnerabilities.
- Collaborated in team environments using Git for version control and emphasized secure, user-friendly web application development.

PROJECT

Sentinel-Site – Cyber Forensics Tool

- Developed a cybersecurity tool that enables end users to detect system compromises and identify potential malware.
- Implemented automated threat identification and remediation features to support secure recovery and system integrity.

Eco-Inverter – IoT & Renewable Energy Project

- Engineered an innovative solution to harvest energy from refrigerator waste heat, converting it into usable power.
- Integrated IoT functionality to remotely monitor and control home circuits, delivering up to 240V / 2000W of electricity output.

Password Authenticator – Biometric Security System

- Built a biometric-based password manager to streamline user authentication and eliminate password fatigue.
- Focused on enhancing security and user convenience through advanced identity verification.

Auto Pentest Tool – CLI-Based Security Tool | Python

github.com/RavindharCYS/Auto_PenTest_Tool

- Built a command-line tool to automate vulnerability assessments and scans.
- Detected common security flaws using customizable scanning modules.
- Supported export of results into structured reports for quick analysis.

Web Pentest Automation – Penetration Testing Tool | Java

github.com/RavindharCYS/Web_PenTest_Automation

- Designed a Java-based automation tool for web application security testing.
- Simulated attacks to check for SQLi, XSS, CSRF, and authentication flaws.
- Streamlined the reporting process with categorized vulnerability summaries.
- Engineered a web penetration testing tool using Java, which automated vulnerability detection, reducing manual testing time by 40% and increasing accuracy in identifying security threats.

Malware Detection using ML – Machine Learning Project | Python

github.com/RavindharCYS/Malware-Detection-Using-ML

- Developed a machine learning model to classify benign and malicious files.
- Trained on labelled malware datasets using decision trees and SVM algorithms.
- Achieved high detection accuracy and reduced false positives in real-time scanning.

Recon Tool – Web Application Reconnaissance CLI

github.com/RavindharCYS/Recon_tool

- Developed a Python-based CLI tool to automate the reconnaissance phase of web application penetration testing.
- Integrated features like subdomain enumeration, port scanning, technology detection, and vulnerability scanning.
- Designed to assist VAPT analysts with actionable insights and auto-generated reports for better security assessments.

EDUCATION

Bachelor of Engineering in Cyber Security

Paavai Engineering College, Namakkal • Namakkal • May 2024 • 7.55

HSC (12th Grade)

AIM Matriculation Higher Secondary School, Thammampatti • Thammampatti • 2020 • 63.3%

SSLC (10th Grade)

AIM Matriculation Higher Secondary School, Thammampatti • Thammampatti • 2018 • 77.2%

CERTIFICATIONS

Cisco Certified Ethical Hacker

2025

Fortinet Certified Associate in Cybersecurity

2025

Fortinet FortiGate 7.4 Operator

2025

Cybersecurity Specialist from NIIT

2024

Certified Network Security Practitioner (CNSP)

2024

Certified AppSec Practitioner (CAP)

2024

Google Cybersecurity Professional

2023

Red Hat Certified System Administrator

2023

Webpage Development (Asia University, Taiwan)

2023

Java Business Application (IIT Bombay - Spoken Tutorial)

2022

Robotic Process Automation (RPA)

2022

SKILLS

Programming Languages: Python, C, C++, Java

Tools & Frameworks: Wireshark, Metasploit, RouterSploit, Hydra, Burp Suite, John the Ripper, OpenLDAP, JXplorer, Bettercap, OWASP ZAP, WAZUH, Splunk

Operating Systems: Linux (Red Hat, Ubuntu, Kali Linux), MacOS, Windows

Cloud Platforms: AWS, Hyper-V, Zabbix

Cyber Security Skills: Penetration Testing, Vulnerability Assessment, Incident Response, Network Diagnostics, Logwatch Implementation

Soft Skills: Strong problem-solving skills, Attention to detail, Teamwork, Effective communication, Adaptability, Critical thinking

Languages
