Cybersecurity Portfolio

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Cybersecurity & Digital Forensics | Web Security | SOC Analyst

About Me

I am a Cybersecurity and Digital Forensics graduate with hands-on experience in web application security testing, vulnerability assessment, SOC operations, and backend security. My experience is drawn from authorized lab environments, Hack The Box challenges, and secure backend development projects. I follow ethical hacking principles and industry standards such as OWASP and MITRE ATT&CK.;

Technical Skills

1   Web Application Penetration Testing (OWASP Top 10)

2   Vulnerability Assessment & Risk Analysis

3   Authentication & Session Security Testing

4   Kali Linux, Nmap, Burp Suite, Metasploit (basic)

5   SOC Monitoring, Log Analysis & Incident Response (basic)

6   Python (Flask), REST APIs, JWT Authentication

7   Linux Systems & Git/GitHub

Project 1: Web Application Penetration Test (Lab Environment)

Conducted a black-box web penetration test on an authorized PHP-based lab application using OWASP Testing Guide methodology. Identified SQL Injection, broken authentication, and sensitive information disclosure issues. Delivered a professional report with severity ratings and remediation guidance.

Project 2: Hack The Box – Redis Machine

Performed full enumeration and exploitation of a vulnerable Redis-based system in a controlled lab environment. Successfully obtained user and root access, demonstrating practical skills in service enumeration, misconfiguration abuse, and Linux privilege escalation.

Project 3: Secure Backend API (Flask)

Designed and implemented a secure backend API featuring JWT authentication, role-based access control, protected endpoints, and secure password handling. Focused on backend security best practices and real-world API protection.

Project 4: AI-Assisted SOC Log Analyzer

Built a prototype SOC tool that analyzes logs, detects suspicious patterns, and assigns risk scores to security events. The project demonstrates SOC automation concepts and analyst workflow optimization.

Ethics & Compliance

All security activities are conducted strictly within authorized scopes and for defensive or educational purposes only, in compliance with legal, ethical, and professional cybersecurity standards.

Contact

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