

Mohan Otieno

Penetration Tester

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Objective

Highly motivated and Cisco-certified ethical hacker seeking a Junior Penetration Tester role to leverage hands-on experience in web application testing, vulnerability analysis, and reporting. Eager to contribute to a Red Team by executing simulated attacks and delivering actionable security insights to fortify client defenses.

Education

Cisco Ethical Hacker
CYBER SHUJAA ACADEMY

Expected Graduation
December 2025

Relevant Coursework: Social Engineering Attacks, Web and Application Security, Wireless and Cloud Security, Reconnaissance and Scanning, Planning and Scoping, Exploitation Techniques, Reporting and Communication and Soft Skills.

Projects

Threat Detection and Response Framework

Source: github.com/mohanot

October 2025–November 2025

- Developed a **custom, multi-threaded Python script** to automate the detection of common web application flaws, specifically targeting **Broken Access Control** and **SQL Injection (SQLi)** on self-hosted vulnerable platforms (DVWA, WebGoat)
- Platforms and Technology Used: **Python (requests, asyncio)**, **OWASP Top 10** Methodology, Docker, DVWA, WebGoat, Burp Suite (for validation)

Active Directory Attack Simulation and Hardening

October 2025–Nov 2025

Source: github.com/mohanot

- Built and maintained a dedicated **Active Directory (AD) environment** (domain controller, two client machines) in a virtualized lab to simulate enterprise network attacks.
- Executed and documented end-to-end attacks, including **Kerberoasting**, **Pass-the-Hash (PtH)**, and local privilege escalation, successfully achieving **Domain Administrator** access.
- Platforms and Technology Used: **Kali Linux**, **Metasploit**, **Impacket toolkit**, **BloodHound**, Windows Server/Clients (VirtualBox/VMware), PowerShell.

Additional Skills

- Critical Thinking and Creativity
- Executive Report Writing
- Scripting and Automation
- Secure Code Analysis

