Youssef Elsayyad

Milton, ON • 647-684-4440 • youssefelsayyad2006@gmail.com

GitHub: https://github.com/elsayyay • HackerOne / TryHackMe: agentgeneric

Skills

Programming Languages: Java, C#, Python (automation and scripting), Bash.

Offensive Security:

Web vulnerabilities: XSS (stored/reflected), SQL Injection, CSRF, IDOR, LFI/RFI, authentication bypass

Reconnaissance: Nmap, directory/subdomain fuzzing, OSINT

Exploitation & testing: Burp Suite, Metasploit, Netcat, Hydra

Frameworks/APIs: GraphQL, REST, SOAP

Tools: Git, GitHub, SQL (postgresql, mysql, mariadb), AutoDesk Inventor Pro (AutoCAD)

Environments: Kali Linux, Debian, Windows

Experience

Bug Bounty / Security/Vulnerability Researcher

September 2021 -Present, Remote

- Identified and responsibly disclosed web application vulnerabilities including XSS (Stored & Reflected), Improper Access Control, IDOR, Business Logic errors, privilege escalation and authentication flaws.
- Conducted manual and automated reconnaissance using Nmap, Burp Suite, OSINT, and directory brute-forcing techniques.
- Validated exploitability by reproducing vulnerabilities and creating proof-of-concept payloads.
- Documented findings with clear reproduction steps, impact analysis, and remediation recommendations.
- Worked with security teams to verify fixes and ensure vulnerabilities were fully resolved.

Ultrasonic Obstacle Detection System

February 2025 - April 2025, McMaster University

- Designed and prototyped an Arduino-based assistive navigation device using ultrasonic sensing to provide real-time haptic feedback for obstacle detection.
- Implemented distance-based vibration scaling logic to enhance spatial awareness for a visually impaired user.
- Contributed to hardware integration, sensor calibration, and system testing within a collaborative engineering team.

Education / Certs

McMaster University / B.Eng in Software Engineering

September 2024 – June 2028, Hamilton

Android App Hacking – Black Belt Edition / 54 hours

December 2025 – February 2026, Udemy