

MOHAMMED SAMI

Offensive Security Trainee — Junior Penetration Tester

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SUMMARY

Self-taught junior penetration tester with hands-on CTF, bug bounty, and red teaming experience. Skilled in web exploitation, reconnaissance, privilege escalation, and cryptography, with projects like multi-cipher encryption tools. Holds eJPT, eWAPT, eCIR, CCNA, and CCNP SCOR, plus strong Python and PHP skills. Proven CTF leadership and now seeking an entry-level role to ethically break systems before attackers do.

EDUCATION

Ahram Canadian University

BSc in Computer Science, Department of Artificial Intelligence

Sep. 2021 – Jun. 2025

6th of October City, Giza

Graduation Project: "Enhancing Predictive Maintenance Using Machine Learning and Data Analytics" —

Built and secured a web application for safe integration of ML-based CNC failure predictions, ensuring robust protection against common web attacks.

OFFENSIVE OPERATIONS

Cipher Program | Python

2024

- Engineered a Python GUI program to encrypt/decrypt text using 10 distinct cipher algorithms.
- Validated program robustness through extensive testing and expert review.
- Deployed cross-platform for various security applications.

Capture The Flag Operations | picoCTF, Portswigger Academy, Try Hack Me

2023 - present

- picoCTF:** Exploited vulnerabilities including WebDecode, Unminify, Bookmarklet, and others across various challenge types.
- Portswigger Academy:** Mastered and exploited common web vulnerabilities including Reflected, Stored, and DOM XSS, CSRF, and Basic/Filtered SSRF.
- TryHackMe:** Successfully compromised targets like Bounty Hacker and Nahamstore.thm using practical offensive techniques. Completed 50+ labs focusing on web exploitation and privilege escalation.

Bug Bounty Engagements | HackerOne

2023 - present

- Discovered and reported a DOM-based XSS vulnerability in the inDrive program, collaborating with a team of bug bounty hunters.
- Gained valuable experience participating in engagements targeting major companies, developing advanced reconnaissance and exploitation skills.

LEADERSHIP / EXTRACURRICULAR

E-Finance CTF Hackathon

July 2024

CTF Lead Operator

Nile University

- Orchestrated a 10-member professional cybersecurity CTF team, strategizing and coordinating offensive operations.
- Ensured team compliance with hackathon rules while pushing boundaries of technical execution.
- Achieved 3rd place ranking, demonstrating effective leadership and team synergy under pressure.

TECHNICAL SKILLS

Languages: Python, PHP, C++, SQL, JavaScript

Offensive Toolkit: Burp Suite, Metasploit Framework, Nmap, OWASP ZAP, SQLMap, Wireshark, Nikto, Aircrack-ng, Hydra, John the Ripper.

Web Exploitation: Deep understanding of HTTP/HTTPS protocols and SOP policy for web application attacks.

Operating Systems: Offensive use of Linux distributions (e.g., Kali Linux, Ubuntu).

Virtualization: VMware, VirtualBox for testing and lab environments.

RELEVANT COURSEWORK

- **Certifications**
 - eJPTv1, eWAPT, eCIR
 - CCNA 200-301, CCNP SCOR 350-701, MCSA core
- **Cybersecurity Training**
 - Bug Bounty Bootcamp
 - PEH (TCM-sec)
 - OSCP Labs (Nakerah)
 - HTB-Certified Penetration Testing Specialist
 - Red Team Essentials
 - Red Teaming, Ethical Hacking
- **Programming & Web**
 - Full-Stack Web Development using Laravel (DEPI)
 - Flutter Mobile app Dev (ITI)
 - Web App Security
 - OOP
- **Computer Science**
 - Data Structures
 - Algorithms
 - Database Management

BACKGROUND

Before hacking systems, I hacked language barriers and social engineered customers

English Instructor / Call Center Agent

- * Developed communication skills and patience by instructing English to diverse learners.
- * Honed social engineering techniques and problem-solving through customer interactions.
- * Managed diverse personalities and difficult situations, skills transferable to red teaming.

MILITARY SERVICE

Status

In progress — applying for temporary exemption as sole family provider.