

Omar Abdelsalam

Offensive Security — Web Application Penetration Testing
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PROFESSIONAL SUMMARY

Offensive security-focused cybersecurity student with hands-on experience contributing to structured Web Application Penetration Testing engagements. Participated in real-world vulnerability assessments and responsible disclosure programs, earning public **Hall of Fame recognition**. Experienced in attack surface analysis, vulnerability validation, and professional reporting workflows, with practical Python-based security tooling. Recognized as a **Top Achiever** for academic and technical performance.

EDUCATION

Elsewedy University of Technology – Polytechnic of Egypt <i>B.Sc. Network and Cybersecurity Engineering</i>	2024 – 2028
– Dual-degree collaboration program with Amity University Dubai (degree awarded upon completion). – Top Achiever Student. – Relevant Coursework: Network Security, Ethical Hacking, Operating Systems, Software Engineering.	GPA: 4.1 / 4.3

EXPERIENCE

Penetration Testing Intern <i>Deep Strike</i>	Nov 2025 – Present
– Conducted structured manual web application penetration tests across multiple authorized client environments. – Validated vulnerabilities including XSS, SSRF, authentication weaknesses, and access control flaws. – Performed reconnaissance and endpoint enumeration to map application attack surfaces using Burp Suite and Nmap. – Produced structured reports with proof-of-concept reproduction, risk context, and remediation guidance.	
Machine Learning Intern <i>Vodafone</i>	Aug 2025 – Sep 2025
– Supported customer segmentation initiatives with the Marketing Analytics team. – Trained and evaluated Decision Tree models on real-world datasets using Python (pandas, scikit-learn). – Performed data preprocessing and basic model performance evaluation to support analytical workflows.	

BUG BOUNTY & RECOGNITION

Hall of Fame – Zivver <i>Responsible Disclosure Recognition</i>	2025
– Reported and validated a security vulnerability through a responsible disclosure process.	
Hall of Fame – French Government Program <i>Public Sector Security Recognition</i>	2025
– Identified and responsibly disclosed a security issue impacting public infrastructure.	

SELECTED SECURITY PROJECTS

LEX Recon Framework <i>Python, Security Automation</i>	2025
– Built a reconnaissance automation framework for subdomain discovery, live host detection, and endpoint enumeration. – Automated data parsing and output structuring to support vulnerability triage workflows.	
Mini SIEM System <i>Python, Log Analysis</i>	2025
– Developed a lightweight SIEM prototype to collect and parse system and web server logs. – Implemented rule-based alerting to detect brute-force attempts and suspicious request patterns. – Generated structured security alerts to simulate real-world monitoring workflows.	

TECHNICAL SKILLS

Security: Web Application Testing, OWASP Top 10, Attack Surface Analysis, Vulnerability Reporting

Tools: Burp Suite, Nmap, Metasploit, Wireshark, Linux, Git

Programming: Python, JavaScript, PHP, SQL

Languages: Arabic (Native), English (Professional)

CERTIFICATIONS & TRAINING

CAPT (Hackviser)

Certified

2025

CWSE (Hackviser)

Certified

2025

Web Penetration Testing in Practice

ITI MaharaTech

2025