

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	2024 – 2028
<i>B.Sc. Network and Cybersecurity Engineering</i>	GPA: 4.1 / 4.3
– 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.	

EXPERIENCE

Penetration Testing Intern	Nov 2025 – Present
<i>Deep Strike</i>	
– 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	Aug 2025 – Sep 2025
<i>Vodafone</i>	
– 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.	
Security & Infrastructure Intern	Aug 2025 – Sep 2025
<i>Al Dahra Agriculture Company</i>	
– Participated in internal web and infrastructure penetration testing activities under senior supervision.	
– Identified security misconfigurations and supported remediation efforts within enterprise systems.	
– Designed and developed a monitoring dashboard to analyze crop data and system metrics for executive reporting.	
– Presented structured technical insights to support operational and management-level decision making.	

BUG BOUNTY & RECOGNITION

Hall of Fame – Zivver	2025
<i>Responsible Disclosure Recognition</i>	
– Reported and validated a security vulnerability through a responsible disclosure process.	
Hall of Fame – French Government Program	2025
<i>Public Sector Security Recognition</i>	
– 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) <i>Certified</i>	2025
CWSE (Hackviser) <i>Certified</i>	2025
Web Penetration Testing in Practice <i>ITI MaharaTech</i>	2025