

MAHMOUD SALAH

Cybersecurity Engineer

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Professional Summary

Motivated Cybersecurity Engineer with strong technical skills in security analysis, penetration testing, and vulnerability assessment. Proficient with tools like Burp Suite, Nmap, and Wireshark. Skilled in problem-solving, critical thinking, teamwork, and effective communication, with a strong commitment to continuous learning and professional growth.

Education

Bachelor of Computer Science – University of Asyut (2022–2026)

Certifications & Courses

- **Cisco Cybersecurity Engineering – Digital Egypt Pioneers Initiative** (6-month intensive program) (Including CCNA & CyberOps certificate).
- **AWS Academy Graduate** - AWS Academy Cloud Architecting
- **TryHackMe – Jr Penetration Tester Path** - eJPT
- **Cybersecurity Certificate** – IBM SkillsBuild CMCIT
- **eCIRPrep** – Netriders.Academy

Experience

- **Penetration Testing Intern – ITSolera** (3 months) – Conducted real-world penetration tests on web applications and internal networks, performed vulnerability assessments, and provided detailed security reports with remediation steps.
- **CIB Trainee – CIB Bank** (one month) – Gained practical exposure to financial cybersecurity operations, security compliance, and risk management strategies in a banking environment.
- **Penetration Testing Intern – ITI** (120 hours) – Completed hands-on training in penetration testing, covering vulnerability scanning, exploitation, and reporting. Worked with tools like Burp Suite, Nmap, and Metasploit on simulated real-world environments.

Projects:

- **University Network Infrastructure Project** – Designed a secure network with segmentation, firewall policies, and access control measures. Configured routers, switches, and security protocols for optimized performance.
 - **Hash Encryption & Cracking Scripts (Python)** – Developed Python scripts for encrypting files and text using various hashing algorithms (SHA-256, MD5, etc.) and performing hash cracking techniques for security testing.
 - **Developed custom cybersecurity tools** using Python for reconnaissance, scanning, and automation tasks.
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Technical Skills

- **Security Tools:** Burp Suite, Nmap, Wireshark, Hydra, Kali Linux, Metasploit.
 - **Network Technologies:** Firewalls, VPN, VLANs, CCNA, Multi-Layer Switching, DHCP, DNS, OSPF, HSRP, NAT/PAT, RSTP, PortFast, HSRP, Network Segmentation.
 - **Operating Systems:** Linux (Kali, Ubuntu), Windows Server, Windows 11
 - **Programming & Scripting:** Python (Automation & Security Scripts), C++, C, Java, PHP, Bash, PowerShell
 - **Cloud & Virtualization:** VMware, VirtualBox, Basic AWS Concepts.
 - **Version Control & Collaboration:** Git, GitHub.
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Languages: Arabic: Native.

English: Fluent.