

Joseph George Wahba

+201226191421 | joseph.george5@icloud.com | linkedin.com/in/joseph-george-wahba | github.com/joseph-george1
| joseph-george1.github.io

EDUCATION

Al-Safwa Higher Institute for Engineering

Expected June 2026

Bachelor of Engineering in Computer Engineering (GPA: 3.1)

Cairo, Egypt

- Relevant Coursework: Operating Systems, Computer Networks, Database Systems, Cryptography, Data Structures

CERTIFICATIONS & SPECIALIZED TRAINING

Digital Egypt Pioneers Initiative (DEPI)

2024 – 2025

Professional training in Infrastructure Security, Vulnerability Analysis & Penetration Testing

EXPERIENCE

Red Team Training Intern — DEPI Offensive Lab

2024 – 2025

- Architected an Active Directory attack lab on Windows Server with 10+ VMs to simulate enterprise-scale adversary environments.
- Executed 15+ AD attack chains involving Kerberoasting, AS-REP roasting, and NTLM relay to identify identity misconfigurations.
- Authored 5+ remediation reports documenting privilege escalation paths, enabling risk prioritization for simulated stakeholders.
- Utilized **Assembly** for basic shellcode analysis and **JavaScript** for de-obfuscating web-based delivery vectors during simulations.

CTF EXPERIENCE & RANKINGS

TryHackMe Platform

Global Top 3% Ranking

- Completed 90+ labs covering offensive security, network exploitation, and privilege escalation.

Cyber Champions CTF (ZinadIT)

2024

- Solved 12+ challenges in web exploitation and reverse engineering; identified SQLi and XSS vulnerabilities under time pressure.
- Ranked within the top tier of participants in a high-pressure adversarial simulation against real-world attack scenarios.

PROJECTS

Dental Case Connection System | *GitHub*

- Developed a secure Flask-based platform using an AI-powered chatbot to bridge dental students with patients in Egypt.
- Implemented a hardened Oracle SQL schema with 8+ tables and integrated SSL/TLS encryption for data-at-rest protection.

GhostSec RedTeam Framework | *GitHub*

- Built a simulation framework mapping 20+ attack paths across Windows and Linux environments to automate CTF training.

WiFizzle-DDoS | *GitHub*

- Automated WPA2 handshake capture and dictionary attack workflows, reducing manual reconnaissance time by approximately 40%.

TECHNICAL SKILLS

Languages: Python, SQL (Oracle), Bash, JavaScript, Assembly (x86), C++

Cybersecurity: Red Team Operations, AD Exploitation (Kerberos, NTLM), Wireless Security, Penetration Testing

Infrastructure: Linux (Ubuntu/Kali), Windows Server, System Hardening, Apache, Oracle DB XE 21c

Tools: Nmap, Burp Suite, Metasploit, Wireshark, BloodHound, Mimikatz, Impacket, Hashcat, SQLMap