# Youssef Mohamed

Cybersecurity Graduate

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## Summary

A detail-oriented Cybersecurity graduate and Google Cloud certified Associate Cloud Engineer, passionate about securing digital assets and identifying system vulnerabilities. Hands-on experience in web application security, with practical exposure to mobile application security and reverse engineering. Seeking opportunities in offensive security, penetration testing, and cloud security.

## Experience

**Freelance Bug Bounty Hunter**, Self-Employed 2025 – Present

- Discovered and reported security flaws in web applications through responsible disclosure programs.
- Achieved validated reports and bounties while continuously improving skills via vulnerability research.

**Offensive Security Intern**, CYBERTEQ July 2025 – Aug 2025

- Conducted penetration testing on client infrastructures covering web, network, and mobile applications.
- Performed mobile application security assessments, including APK reverse engineering, traffic interception, and dynamic analysis using MobSF, Frida, and Burp Suite.
- Documented findings and prepared detailed security assessment reports with remediation recommendations.

**Penetration Testing Training**, DEPI Apr 2024 – Sep 2024

- Trained on practical web application penetration testing and network vulnerability assessment.
- Developed strong understanding of Linux, network fundamentals, and ethical hacking methodologies.

**Network Security Training**, ITI Aug 2023 – Sep 2023

- Completed courses in CCNA, Cybersecurity Essentials, Ethical Hacking, and Firewall Configuration (Fortigate & Palo Alto).

## Education

**Egypt-Japan University of Science and Technology (E-JUST)**, Oct 2022 – June 2026
New Borg El Arab City, Alexandria
Major: Computer Networks and Cybersecurity (CGPA: 3.47)

**Dakahlia STEM School**, Math Section, Gamasa City, Dakahlia Oct 2019 – June 2022

## Projects

**AndroPen — Docker-Based Android Penetration Testing Platform** (Team Graduation Project) | Go, React, TypeScript, Python, Docker, MongoDB, Redis

- A multi-container, Docker-orchestrated platform providing a comprehensive, browser-accessible environment for Android application security testing.
- Delivers end-to-end capabilities including static analysis (manifest audits, secret scanning, Semgrep, FlowDroid taint analysis, and MASVS compliance scoring), APK patching with an integrated smali debugger built on a custom JDWP client and VS Code extension, and dynamic analysis through Frida instrumentation and Burp Suite proxy integration with automated CA installation.
- Features an AI-powered analysis module supporting six LLM providers for automated vulnerability detection and Frida hook generation, alongside workflow automation, team project collaboration, and full reporting in SARIF, HTML, and PDF formats.

## Skills

- **Programming:** Python, HTML, CSS, JavaScript, PHP, SQL
- **Operating Systems:** Linux (Kali, Ubuntu)
- **Networking:** Network Scanning & Monitoring (Nmap, Wireshark), Network Protocols (TCP/IP, HTTP/S)
- **Web Security:** Vulnerability Assessment, Manual Pentesting, Automated Tools (Burp Suite)
- **Mobile Security:** APK Analysis, Frida, MobSF, ADB, Dynamic Instrumentation
- **Reverse Engineering:** Static/Dynamic Analysis of Applications
- **Cloud (Google Cloud):** Compute Engine, GKE, Cloud Storage, Cloud SQL, VPC & Firewalls, IAM, Pub/Sub, Logging & Monitoring, IaC, gcloud CLI
- **Other Tools:** Git, XAMPP, MS SQL Server, Bash Scripting, Docker

## Certifications & Trainings

- The SecOps Group - Certified AppSec Practitioner (ID: 10414225)
- Google Cloud – Associate Cloud Engineer (ID: c7f9302e0664457ca2727c602746ef06)

## Competitions

- ZINAD-IT CTF · Cybertalents Cohort 7 Online CTF · ICMTC-2024 CTF