Amr Khaled Ahmed

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Objective

I am a Cybersecurity Specialist and Network Security Technician, skilled in C++, Python, Java, Assembly, SQL, and JavaScript. I currently work in red team operations and am studying penetration testing and malware analysis to develop effective attack techniques. I am passionate about continuous learning through practical challenges and research to advance offensive cybersecurity skills.

Education

Cairo University, Giza, Egypt   2023 - Present
- Faculty of Computers and Artificial Intelligence.
    - Expected year of graduation **2027**

Skills and Abilities

Technical Skills:

- Linux, Debian, Kali Linux, Fedora
- Penetration Testing Using Tools and automation scripts
- Malware Analysis Tools (e.g., Ghidra, IDA Pro)
- Networking, Web Security, and other relevant skills
- Git, GitHub, GitLab

- C++, Java, Python, JavaScript
- Assembly
- HTML, CSS, Tailwind, Bootstrap, JavaScript.
- React, Django
- SQL
- Bash, PowerShell, Batch Script
- Microsoft SQL Server

Training

- **Training in Xpand CS academy**   **7/2025 – 7/2025**
    - Intensive cybersecurity training delivered by instructors from MCS.
    - Covered network infrastructure, network security, and ethical hacking fundamentals.
    - Hands-on training on Palo Alto firewall configuration and cloud infrastructure virtualization.
    - Gained foundational skills in virtualized environments, network protection, and offensive security basics.

Activities

- **Cybersecurity Member – (DSC), Cairo University**   **4/2025**
  - Participated in organizing and supporting cybersecurity workshops.
  - Contributed to technical sessions.

Collaborated with team members to engage the university community in tech learning.

Certificates and Courses

- **Malware Analysis Fundamentals Workshop**   **7/2024 – 5/2025**
  Google Developer Student Clubs (GDSC) - Cairo University
  Completed a comprehensive workshop led by Eng. Eslam Mohamed Abbas covering:
  - Programming basics (C, Python), OS concepts, CPU architecture
  - Malware types, analysis steps, static and dynamic analysis techniques
  - Use of tools like IDA Pro, Ghidra, and debuggers for reverse engineering
  - Advanced anti-analysis techniques, memory forensics, YARA rules creation
- **Mahara-tech Red Hat System Administration I**   **4/2025 – 6/2025**
  - Study essential Linux system administration skills such as user management, file systems, shell scripting, networking, and service configuration on RHEL.
- **Mahara Tech CHE ethical hacking**   **4/2025 – 5/2025**
  - Gained knowledge in penetration testing, vulnerability assessment, reconnaissance, exploitation, and post-exploitation techniques.
- **Mahara-tech Cloud and Virtualization Concepts**   **6/2025 – 6/2025**
  - Learned core concepts of cloud computing and virtualization technologies, including virtual machines, cloud service models, and resource management.
- **Mahara-tech Network Security**   **6/2025 – 6/2025**
  - Studied firewalls, VPNs, intrusion detection/prevention systems (IDS/IPS), and essential practices for securing networks and data in transit.
- **Mahara-tech Network Virtualization Concepts**   **5/2025 – 6/2025**
  - Understood virtual networks and their use in cloud and enterprise environments, including VLANs, virtual switches, and SDN (Software Defined Networking).
- **Mahara-tech Network Fundamentals Certification**   **3/2025 – 4/2025**
  - Built strong understanding of TCP/IP, OSI model, routing, switching, subnetting, and common network protocols.

Open-Source Contributions & GitHub Projects

- CyberSec Toolkit
  - *GitHub:* https://github.com/Amr-Khaled-Ahmed/CyberSec-Toolkit
  - Developed a comprehensive cybersecurity toolkit with various offensive and defensive tools to assist in penetration testing and security assessments.
  - Programming Languages: Windows powershell, Bash script, Python, C++, BatchFile
- Some Cipher for Fun
  - *GitHub:* https://github.com/Amr-Khaled-Ahmed/some-cipher-for-fun
  - Implemented classical and custom cipher algorithms in Python as a cryptography Algorithms: Atbash, Baconian, Polybius Square, Simple Substitution, Rail Fence, Route, Vignere, XOR, Affine, Morse

Languages

- Arabic.   - English.