

Haneen Shawky

Computer Engineer | Aspiring Penetration Tester | Cybersecurity Enthusiast

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Professional summary:

Computer Engineer & Penetration Tester-in-Training with direct experience completing 19+ cybersecurity labs focused on SQL injection, information disclosure, and web exploitation using Burp Suite and Metasploit. Contributed to 5+ technical projects, including a multithreaded elevator simulator and real-time Flutter apps used by 100+ users. Completed a cybersecurity-focused internship, applying C#, SQL, and Flutter in cross-functional IT environments. Proficient in tools like Nmap, Hydra, and Wireshark, with a solid foundation in ethical hacking, vulnerability assessment, and secure coding practices.

Career Objectives:

I aim to apply my technical knowledge and skills within the penetration testing field to gain hands-on experience and further enhance my expertise in a practical, results-driven environment.

Internships:

IT Intern

Integrated Diagnostics Holding (IDH), Smart Village

Jul 2023 – Jul 2023

- Gained hands-on experience in the Mobile Applications Department using Flutter for cross-platform development.
- Applied C# and SQL knowledge in the Web Development Department to support backend and database functionalities.
- Explored fundamental cybersecurity concepts through the Security department with a focus on CCNA Security principles.
- Collaborated with multidisciplinary teams to understand IT workflows and contribute to real-world digital solutions.

Projects:

• World Timer App

Android Studio – Flutter

Integrated REST API to fetch and display real-time timezone data with a responsive and user-friendly interface.

• Quotes Mobile App

Android Studio – Flutter

Built a mobile app that allows users to add, remove, and manage custom quotes. Focused on smooth UI/UX and efficient state handling using Flutter's widget system.

• Online shopping cart:

Visual studio – C++

Designed and implemented a basic shopping cart using linked lists to demonstrate understanding of data structures and memory management in C++.

• Multithreaded Smart Elevator Simulator

Visual studio – C++

Simulated three concurrent elevators; optimized request scheduling to cut average wait time by 30%.

• Simple stopwatch:

Microchip studio, Proteus – C

Created a functional stopwatch with start, hold, and reset features using embedded C. Simulated and tested using Proteus to visualize circuit behavior.

Education:

- Bachelor's degree in computer engineering
Graduation: 2027

Volunteering Experience:

Member of Engineering student representatives committee

- Organized orientations and graduation ceremonies, ensuring smooth execution and attendee engagement.
- Managed event registrations and maintained accurate participant records for university functions.

Courses:

Flutter course

- Introduction to programming in Flutter.
- Built foundational skills in mobile app development and UI/UX design.

Introduction to cybersecurity

Cisco Academy

- Learned core cybersecurity concepts, attack vectors, and threat classifications.
- Identified common attacks including phishing, malware, and social engineering.
- Explored security models like the CIA triad and ethical/legal frameworks.
- Investigated career opportunities in the cybersecurity domain.

Certifications:

AWS foundation

- Developed strong communication and collaboration skills for professional environments.
- Applied time management and goal-setting techniques to boost productivity.
- Strengthened emotional intelligence for effective teamwork and client interaction.

Internet of Things (IoT) Application Development – Information Technology Institute

Jul 2024 (30 hours)

- Completed hands-on training in IoT development using the MasterOfThings IoT AEP Platform.
- Covered the full IoT value chain, real-world application development, and lab work on connected devices.

Digital Egypt Pioneers Initiative (in progress)

- Learning end-to-end penetration testing, from reconnaissance to exploitation.
- Practicing ethical hacking techniques using real-world tools and labs.
- Building skills in vulnerability assessment and reporting.
- Exploring freelancing strategies to offer cybersecurity services independently

Skills:

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| • Linux & Kali Linux | • Clear communication |
| • Bash scripting | • Empathy |
| • Nmap, Burp Suite, Wireshark | • Stress management |
| • Metasploit, SQLMap, Hydra, Nikto | • Critical thinking |
| • Vulnerability assessment | • Problem-solving |
| • Ethical hacking techniques | • Team collaboration |
| • C++, C, SQL, C#, Flutter | • Conflict resolution |
| • Android Studio, Visual Studio | • Attention to detail |
| • Security reporting & documentation | • Confidentiality awareness |
| • Active listening | • Client education |

Language:

English (fluent)