

# Mohamed Abdelaal

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LinkedIn | GitHub

## OBJECTIVE

A passionate cybersecurity engineering student with strong skills in C++, Python, Java, and low-level system concepts. Experienced in building tools, reverse engineering, and Penetration testing. Ranked top 4 in class with proven leadership in technical teams and a deep focus on exploit development and system security.

## EDUCATION

### HELWAN UNIVERSITY

BSc in Information and Communication Engineering  
2022 -- Present | Cairo, Egypt

Rank: 4th out of 150+ students

GPA: Excellent with Honors (Credit Hour)

## SKILLS

### PROGRAMMING

• C++ • Python • Java • Assembly •  
HTML • CSS • Javascript

### CYBERSECURITY

• Network Security • Risk Assessment •  
Wireshark • Nmap • Packet Tracer • burp  
suite • Metasploit

### TOOLS SYSTEMS

• Qt • Raylib • Linux • Windows

### SOFT SKILLS

• Leadership • Decision Making • Critical  
Thinking • Team Management • Problem  
Solving

## PROJECTS

### PERSONAL PROJECTS

- **Selected Projects – C++:**  
Developed Snake Game using Raylib (real time input, collision detection, scoring, deque based movement) and a Car Company Management System (CLI, OOP principles, file based persistence).

### TEAM PROJECTS

Graph Analysis Tool with Qt GUI

- Built Qt app to load Excel graphs, compute MST shortest path (Prim/Kruskal/Dijkstra).
- Led 4-person team; implemented Dijkstra's algorithm and optimized GUI.
- Achieved A+ with 5-point bonus despite no prior GUI experience.

## EXPERIENCES (INTERNSHIPS)

### INTRODUCTION TO AI – ZEWAIL CITY | INTERN

June 2023 -- Aug 2023

- Gained foundational knowledge in machine learning and Python.

### COMPLETE PROGRAMMING COURSE | TRAINEE

June 2024 -- Sep 2024

- Mastered C++, OOP, Algorithms, Problem Solving, and Basic Design Patterns.

### CYBERSECURITY FOR BEGINNERS – ITI | TRAINEE

Apr 2025 -- Jul 2025

- Hands-on with Wireshark, Nmap, malware analysis.
- Learned incident response, secure OS hardening.

### PENETRATION TESTING – ITI | TRAINING

Jul 2025 -- Aug 25

- Cybersecurity Labs – Completed 20+ PortSwigger Academy Burp Suite labs covering OWASP Top 10 attacks (SQLi, XSS, authentication bypass) with full exploitation workflows.
- Network Web Exploitation – Applied Nmap for in depth scanning/service enumeration; developed practical attack skills with HTML, CSS, JavaScript, and SQL.
- Enterprise Scale Networking – Built 25+ Cisco Packet Tracer labs 2 large scale projects implementing VLANs, routing, ACLs, NAT, DHCP, and multi layered security; achieved full marks with bonus.

### INFRASTRUCTURE

### SECURITY – FORTINET / DEPI | ADVANCED CYBERSECURITY PROGRAM

Jun 2025 -- Present

## CERTIFICATES

- ISO AI Training – Zewail City
- Cybersecurity for Beginners – ITI
- Ethical Hacking – ITI
- Red Hat System Administration I – ITI

## EXTRACURRICULAR ACTIVITIES

- Sustained Academic Leadership – Elected class leader for 3+ years, trusted for decision making, communication, and coordination between peers and faculty.
- Proven Team Project Leadership – Selected as program leader by peers across all academic levels; also led multiple internships perfectly.

## FOCUS AREAS

• Exploit Development • Reverse Engineering • CTF Practical Skills

## LANGUAGES

- Arabic (Native)
- English (Fluent)