

Mohamed Lakhdar

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OBJECTIVE

Driven and dedicated computer science student with hands-on experience in low-level programming, security challenges (CTFs), and networking. Passionate about continuous learning and solving complex problems. Seeking to contribute my skills and enthusiasm for cutting-edge technologies to the **UM6P Computer Science Program**.

EDUCATION

FSSM - Applied Computer Science

University of Cadi Ayyad, Marrakech

Expected Graduation: June 2025

1337 - Elite Computer Science Program

Moroccan 1337 Network

Started: July 2024 – Present

TECHNICAL SKILLS

- **Programming:** C, C++, JavaScript, SQL, Bash
- **Web Development:** HTML, CSS
- **Networking:** Cisco-certified, Packet Tracer simulations
- **Low-Level & Security:** Reverse engineering, CTF challenges, memory management

- **Tools:** Git, Docker, Visual Studio Code
- **OS:** Linux, Windows

PROJECTS & EXPERIENCE

Compiler Development

- Currently developing a **compiler** to understand and process programming languages. Focused on implementing lexical analysis, syntax parsing, and code generation.
- Utilizing **C/C++** for implementation and building a solid understanding of compiler theory.

CTF Challenges

- Actively participated in **Capture The Flag** competitions, tackling reverse engineering, cryptography, and low-level problem solving using **C**, **C++**, and **Bash**.
- Shared solutions and techniques via **GitHub** to document progress and learnings.

Low-Level Network Simulation

- Developed and simulated network setups in **Packet Tracer**, applying routing, subnetting, and security protocols.

ADDITIONAL INFORMATION

- **Languages:** Fluent in Arabic, French, and English.
- **Certifications:** Cisco Networking
- **GitHub:** <https://github.com/medlkhdr> - Projects, CTF solutions, and coding challenges.