



# MAJJID AYOUB

Future Software engineer

## About me

I am single, born on October 12, 2003, passionate about life's challenges and open to new experiences. I particularly enjoy exploring new technologies and outdoor activities, reflecting my constant desire for personal and professional growth. My academic journey and projects demonstrate my commitment and determination to tackle complex challenges and discover new perspectives.

## Education

### octobre 2020– 2021

Chkail School Group (AIN ATIQ)

Baccalaureate in Experimental Sciences – Physics Option

### octobre 2021– Present

Moroccan School of Engineering Sciences (EMSI):

Engineering in Computer Science and Networks 2021 to 2026

I am currently in my fourth year at the Moroccan School of Engineering Sciences (EMSI).

## PROFESSIONAL EXPERIENCE

## Internships

references : <https://qrc.sh/jGQwh>

### Poste Maroc (Barid Al Maghrib) – June 2024

- Duration: 2 months
- Location: Rabat, Morocco
- Developed a unified system for the "Courier" and "Coles" interfaces.
  - Designed an intuitive and responsive user interface using **HTML**, **CSS**, and **JavaScript**.
  - Built a robust backend logic in **Python** with **Django** to integrate and manage the functionalities of both interfaces.
  - Implemented a relational database with **SQL Server** to efficiently centralize and organize data.

### CNIPE– July 2024

- Duration: 3 months
- Location: Rabat, Morocco
- Developed a MOOC platform.
  - Designed an interactive and responsive user interface using **HTML**, **CSS**, and **JavaScript**.
  - Built a robust backend system with **Flask** to manage courses, videos, and users.
  - Implemented an optimized database with **MongoDB** to store and organize data efficiently.

## SKILLS

### Front-End Development

- Figma, HTML, CSS, JavaScript, React

### Hosting and Deployment

- GitHub/Git (Git Flow Strategy)

### Programming Languages

- C, C++, Python, JavaScript, Arduino, Visual Basic, Bash, Java

### Database Management

- MySQL (SQL), Oracle (SQL/PLSQL), SQL Server

### Software Engineering Principles

- Data Structures and Algorithms
- Object-Oriented Programming
- Problem-Solving
- SOLID Principles
- Design (UML/Merise)

## LANGUAGES

English : **C1**

French : **B2**

Arabe : **C1**

# CERTIFICATES

- [React js,Udemy](https://shorturl.at/aeSGo)

<https://shorturl.at/aeSGo>

- [HTML, CSS, and Javascript for Web Developers:](https://shorturl.at/7hhP1)

<https://shorturl.at/7hhP1>

- [Introduction to OOP \(in C++\)](https://shorturl.at/myR1Y)

<https://shorturl.at/myR1Y>

- [Introduction to Java and Object-Oriented Programming](https://shorturl.at/lvabO)

<https://shorturl.at/lvabO>

- [Unix System Basics](https://shorturl.at/fZV9Z)

<https://shorturl.at/fZV9Z>

# HOBBIES

- Technological Exploration
- Artistic Creativity
- Outdoor Activities
- Online Community
- Video Editing

# PERSONAL PROJECTS

## Web Projects:

I have worked on over 20 projects, leveraging my web development skills to create high-quality user experiences. Here are some of my most notable projects:

- **Social Media Application**
  - Developed a dynamic platform inspired by social networks with secure interactions using **HTML**, **CSS**, and **JavaScript**.
  - Implemented versatile features to provide an immersive and seamless user experience.
  - Duration: 1 month
- **SAFAR**
  - Created a fictional travel and adventure company with a personalized guide powered by an AI chatbot using **HTML**, **CSS**, and **JavaScript**.
  - Developed custom travel plans and eco-friendly options, using **Flask** for the backend and **MongoDB** for data storage.
  - Duration: 2 months
- **MRBOOKING**
  - Developed a travel booking platform similar to Booking.com using **React** for a modern user experience.
  - Integrated hotel and flight booking options, with data management via **SQL Server** and **Express.js** for a robust backend.
  - Duration: 2 months

## Console Projects:

In addition, I have worked on over 11 projects in **C++**, demonstrating my expertise in console-based programming. Here are some of my most notable **C++** projects:

- **Flight Management System:**
  - Developed a passenger and flight information management system in **C++**.
  - Implemented date management and flight-related operations.
  - Used **JSON** for efficient data storage and retrieval.
  - Integrated a web interface to display flight-related data.
  - Duration: 1 month
- **Traffic Management System**
  - Created a road traffic management system in **C++** based on object-oriented programming.
  - Implemented vehicle management and traffic monitoring functionalities.
  - Optimized memory management and system performance.
  - Duration: 1 month

## Desktop projects:

- **Audit Management System**
  - Developed a robust **Java** desktop application to help organizations efficiently manage audits, auditors, and compliance with recognized standards.
  - Designed an Auditor Dashboard to manage audits, assign audits to companies, and track audit progress.
  - Built an Admin Dashboard with full CRUD functionality for managing management systems, standards, clauses, processes, sites, organizations, and auditors.
  - Implemented **JSON** Data Storage to ensure a lightweight and easy-to-deploy system