



# MAJJID AYOUB

Future Software engineer

## About me

I am Ayoub Majjid, a fourth-year student in Computer Engineering and Networks at EMSI. Passionate about innovation and web development, I have gained solid experience through personal projects and internships at Poste Maroc and CNIPE,

**I am currently seeking a final year project internship (PFA)** to apply my skills to innovative projects and contribute to ambitious technological solutions.

## 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
- **Subject:** Developed a unified system for the "Courier" and "Coles" interfaces.
- **Missions:**
  - 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 with **SQL Server**.

#### CNIPE- July 2024

- **Duration:** 3 months
- **Location:** Rabat, Morocco
- **Subject:** Developed a MOOC platform.
- **Missions:**
  - 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 with **MongoDB**.

### Workshops:

#### INTELLCAP SARL MAROC · December 2024- Present

- **Location:** Rabat, Maroc
- **Job title:** Web Developer
- **Missions :**
  - Worked on multiple innovation projects in web development.
  - Collaborate with multidisciplinary teams to design advanced technological solutions.
  - Test, deploy, and optimize web applications to ensure performance and security.

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SKHIRAT

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<https://github.com/ayoubmajjid67>

## SKILLS

### Front-End Development

- Figma, HTML, CSS, JavaScript, React, NextJs, Bootstrap

### back-End Development

- Python && Flask
- java && spring boot

### Hosting and Deployment

- GitHub/Git (Git Flow Strategy)
- Docker

### Programming Languages

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

### Database Management

- MySQL (SQL), Oracle (SQL/PLSQL), SQL Server, H2

### 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>

- [HTML, CSS, and Javascript for Web Developers:](#)

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

- [Introduction to OOP \(in C++\)](#)

<https://shorturl.at/myR1Y>

- [Introduction to Java and Object-Oriented Programming](#)

<https://shorturl.at/lvabO>

- [Unix System Basics](#)

<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