

# BOUCHRARA Maher *Software Engineering Student*

✉ maher.bouchrara0@gmail.com    ☎ +216 25 76 03 76    📍 Ben Arous, Ezzahra    🔄 Maher-bouchrara    🌐 Maher Bouchrara

## PROFILE

First-year Software Engineering student, passionate about development and artificial intelligence. I am looking for a summer internship to apply my skills and contribute to innovative projects within a dynamic company

## EDUCATION

**Software Engineering degree program**  
*Higher institute of computer science ISI Ariana* ⓘ  
2024 – 2027

**Bachelor's degree in Computer Science**  
*Higher institute of computer science ISI Ariana* ⓘ  
2021 – 2024

## PROFESSIONAL EXPERIENCE

**Maintenance and Optimization of a Cryptocurrency Decision Support Platform** 10/2024 – 04/2025  
Development of new features, bug fixing, and continuous performance improvement of a cryptocurrency decision support platform. Part-time

- **Technologies used:** React, Next.js, Firestore, Google Cloud, Microservices.

**Migration of a Laboratory Information Management System (LIMS)** 01/2024 – 06/2024  
*End-of-Studies Project (PFE)*  
Development of a web application using Angular and ASP.NET to enhance the management and traceability of laboratory data.

- **Technologies used:** Angular, ASP.NET, Swagger, Mantis BugTracker, Stimulsoft, SVN.

## PROJECTS

**AI-Based HR Automation System - Hackathon Project organized by EY** 01/2025  
Automated recruitment system generating customized technical tests based on job description analysis, with automatic email sending.

- **Technologies used:** RAG, Langchain, Flask, IMAP, Flutter.

**Intelligent Security System with Intruder Recognition** 02/2025  
This project integrates an image recognition AI to detect intruders in real time, classify them using distance-based calculation methods, and automate alert sending.

**Technologies used:** ESP32, Raspberry Pi, PIR camera, Wi-Fi, Python, C++, TensorFlow Lite, Arduino IDE, Flutter, CNN for image recognition.

**Website for an Information Center with Training Management** 02/2025  
Developed a training center website with admin, participant, and educator interfaces, featuring registration, progress tracking, certificate generation, and automated notifications.

- **Technologies used:** Spring Boot, Angular, Hibernate, MongoDB.

**Interactive Website and Dashboard for a Travel Agency** 07/2025  
Design and development of a showcase website and a full-featured dashboard for a travel agency, including content management, contact tracking, newsletter, and analytics.

**Technologies used:** Supabase, Express.js, Next.js, i18n, Node.js, GoogleAnalytics.

## SKILLS

**Web Development**  
Flask, Spring Boot, Angular, SQL, MongoDB, Firebase, React, Next.js, Git, Github

**Embedded Systems and IoT**  
ESP32, Raspberry Pi, Arduino IDE, MicroPython

**Artificial Intelligence and Computer Vision**  
TensorFlow, CNN, RAG, LangChain

**Programming Languages**  
Python, C++, C, C#, Java (POO), Javascript

## CERTIFICATES

**Docker Crash Course – ReBootKamp (RBK)** ⓘ  

- Workflow optimization, scalable deployments, and Docker volume management.

## LANGUAGES

English (B2) | French (B2)

## ORGANISATIONS

**Enactus ISI**  
*Vice President of Marketing*  
2024 – 2025

**Securinets ISI**  
*Technical member*  
2023 – 2025