



SIRINE ELAYEB

Full Stack Developer



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Mahdia, Tunisia

EDUCATION

Master's in IoT (currently pursuing)

Higher Institute of Technological Studies of Mahdia | 2024

Bachelor's Degree – Information Systems Development

Higher Institute of Technological Studies of Mahdia | 2021 – 2024

High School Diploma – Experimental Sciences

Lycée Ibn Sina, Mahdia | 2021

TECHNICAL SKILLS

- **Frontend:** React.js, Next.js, Angular, JavaScript, HTML, CSS
- **Backend:** Spring Boot, Node.js, Java, Python, .net, C++
- **Databases:** MongoDB, MySQL, Azure SQL
- **IoT:** ESP32, MQTT, WebSocket
- **Cloud:** Docker, Azure
- **Data & AI:** Machine Learning (basics), Scikit-learn, LLMs
- **Testing / Quality:** JUnit, NUnit, Moq, Selenium
- **Methodology:** Agile / Scrum
- **Tools:** Git/GitHub, VS Code, IntelliJ IDEA, Arduino IDE, Trello, Postman, Jupyter, RStudio

LANGUAGES

- Arabic: Native
- French: Fluent
- English: Advanced (C1)

PROFILE

Second-year Master student in IoT and software engineering with strong Python skills and solid experience in full-stack development (MERN, Spring Boot, Angular). Developing a growing interest in AI engineering, particularly LLMs, NLP, and RAG. Open to integrating AI tools into real projects and currently seeking a PFE internship to contribute to practical AI solutions.

PROFESSIONAL EXPERIENCE

Full Stack Developer – E-learning Platform

LeaderPos, Sfax | Feb – May 2024

This project is an online learning platform that allows instructors to create courses and learners to follow them, featuring messaging and video conferencing.

Tasks Performed:

- Developed core modules (courses, users, assessments) and messaging/video call features.
- Built dynamic interfaces with Angular & Thymeleaf.
- Managed backend logic and database operations using Spring Boot & MySQL.

Tech Stack: Angular, Thymeleaf, Spring Boot, Java, MySQL, WebSockets, REST APIs

Full Stack Developer – Social App (LinkedIn-like)

Afa Computers, Mahdia | Jul – Aug 2023

This project is a mini social networking platform where users can manage profiles, share posts, and interact via a news feed.

Tasks Performed:

- Developed profiles, posts, and news feed features.
- Built responsive interfaces with ReactJS.
- Managed backend logic and data with Node.js & MongoDB.

Tech Stack: MongoDB, Express, ReactJS, Node.js, JavaScript, REST APIs

PROJECTS

AI-Powered Real-Time Delivery Tracking IoT Application – Team Project

This project is an AI-driven platform for real-time vehicle tracking and delivery monitoring, developed in an Agile/Scrum environment.

MyContributions:

- Implemented Admin module for managing companies, users, vehicles, and deliveries, enabling full delivery tracking.
- Integrated real-time GPS tracking using MQTT/WebSocket for live vehicle updates.
- Designed dashboard features including statistics, alerts, and route history.
- Developed an AI Delivery Assistant (Python + MongoDB + semantic search) to answer delivery-related questions in natural language.

Tech Stack: React, Node.js, MongoDB, Python, FAISS, Sentence Transformers, MQTT, WebSocket, Git/GitHub, Scrum

CERTIFICATS

- NVIDIA LLM Applications & Prompt Engineering (2025)
- NVIDIA Building Conversational AI Applications (2025)
- EF SET English Certificate (C1) – EF SET (2024)
- Scrum Fundamentals certified – ScrumStudy (2023)