

# MOHAMED AZIZ LAIFI

## AI Software Engineering Student

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Ariana

[Linkedin](#)

[Portfolio](#)

[Github](#)

### PROFILE

I am a Software Engineering student at ISI with a strong passion for artificial intelligence, problem-solving, and full-stack development. I am eager to apply my analytical thinking and technical expertise during an end-of-studies internship, contributing to innovative, real-world projects while advancing my skills as a software engineer.

### PROFESSIONAL EXPERIENCE

#### Talan

AI Software Engineering Intern

07/2025 – 08/2025

Tunis, Tunisia

- Developed an AI-powered multi-agent system with specialized agents for database management, email automation and calendar scheduling streamlining internal workflows and enhancing system efficiency for enterprise operations.

Technologies Used: **LangChain, Gemini, Python, FastAPI, Next.js, PostgreSQL, OAuth 2.0, Docker**

#### CodeCooperation

Software Engineering Intern

07/2024 – 09/2024

Ariana, Tunisia

- Built a full-stack food waste reduction platform featuring a merchant dashboard for restaurants and suppliers to publish offers with images, manage pricing and inventory, and a customer interface for browsing and reserving geolocated offers, secured by a JWT-based magic link authentication system.

Technologies Used: **Next.js, NestJS, Prisma, MySQL, TypeScript, JWT, Docker, CI/CD**

### PERSONAL PROJECTS

#### AI-Powered Quality Assurance Analyzer

12/2025 – 12/2025

- Built a full-stack website QA auditing tool that evaluates performance, accessibility, security, SEO, and HTML quality using automated analysis and AI-generated insights, delivering scored reports and actionable recommendations via a React dashboard.

Technologies Used: **Python, FastAPI, Rest APIs, LLMs , React, TypeScript, Playwright, BeautifulSoup**

#### AI-Powered Document Assistant

05/2025 – 05/2025

- Built a RAG-based document assistant that automatically uploads and processes files with smart chunking, performs TF-IDF-based vector search for semantic retrieval, and enables interactive document querying through a conversational interface.

Technologies Used: **Python, React, ChromaDB, TF-IDF, FastAPI, Next.js, TypeScript**

#### Diabetes Prediction Application

05/2025 – 05/2025

- Developed a diabetes prediction web application featuring advanced data preprocessing, hyperparameter optimization, machine learning model implementation, and an interactive Streamlit interface with visualizations.

Technologies Used: **Python, Streamlit, Scikit-learn, Pandas, NumPy, Plotly, Git, Machine Learning**

### CERTIFICATIONS

- Microsoft Azure AI Fundamentals
- Microsoft Azure Fundamentals

### SKILLS

#### Programming Languages

Python, JavaScript, TypeScript, C++, C#, Java

#### Fullstack Web Development

React, Next.Js, FastAPI, Flask, .Net, MySQL, PostgreSQL, MongoDB

#### AI & ML

LLMs, NLP, Scikit-learn, NumPy, Pandas, LangChain, PyTorch

#### DevOps & Cloud

GitHub, Docker, Kubernetes, Azure, CI/CD

### EDUCATION

#### Software Engineering Degree, Higher Institute Of Computer Science

09/2023 – Present

Ariana, Tunisia

#### Computer Science Degree, Higher Institute Of Computer Science

09/2020 – 06/2023

Ariana, Tunisia

### LANGUAGES

• English

• French

• Arabic

### VOLUNTEER EXPERIENCE

#### Problem Solving Coash

09/2025 – Present

#### Codex Junior Entreprise Member

09/2023 – 09/2024