

MOHAMED AZIZ LAIFI

AI Software Engineering Student

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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 • 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. <u>Technologies Used:</u> LangChain, Gemini, Python, FastAPI, Next.js, PostgreSQL, OAuth 2.0, Docker	07/2025 – 08/2025 Tunis, Tunisia
CodeCooperation Software Engineering Intern • 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. <u>Technologies Used:</u> Next.js, NestJS, Prisma, MySQL, TypeScript, JWT, Docker, CI/CD	07/2024 – 09/2024 Ariana, Tunisia

PERSONAL PROJECTS

AI-Powered Quality Assurance Analyzer • 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. <u>Technologies Used:</u> Python, FastAPI, Rest APIs, LLMs , React, TypeScript, Playwright, BeautifulSoup	12/2025 – 12/2025
AI-Powered Document Assistant • 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. <u>Technologies Used:</u> Python, React, ChromaDB, TF-IDF, FastAPI, Next.js, TypeScript	05/2025 – 05/2025
Diabetes Prediction Application • Developed a diabetes prediction web application featuring advanced data preprocessing, hyperparameter optimization, machine learning model implementation, and an interactive Streamlit interface with visualizations. <u>Technologies Used:</u> Python, Streamlit, Scikit-learn, Pandas, NumPy, Plotly, Git, Machine Learning	05/2025 – 05/2025

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 , <i>Higher Institute Of Computer Science</i>	09/2023 – Present Ariana, Tunisia
Computer Science Degree , <i>Higher Institute Of Computer Science</i>	09/2020 – 06/2023 Ariana, Tunisia

LANGUAGES

- English
- French
- Arabic

VOLUNTEER EXPERIENCE

Problem Solving Coash	09/2025 – Present
Codex Junior Enterprise Member	09/2023 – 09/2024