

Mariem AISSA

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Summary

Computer Science Engineering graduate with a passion for AI and software engineering. Experienced in developing AI-driven applications, full-stack web solutions, and optimizing systems for efficiency and scalability.

Education

National School of Computer Science (ENSI)

Computer Science Degree

Tunis, Tunisia

09/2021 – 11/2024

Preparatory Institute for Engineering Studies (IPEIM)

Preparatory Cycle in Math-Physics

Monastir, Tunisia

09/2019 – 06/2021

Experience

AI Developer Intern

meddevo, dytab GmbH

Germany

06/2024 – 11/2024

- Engineered a Generative AI-powered regulatory document copilot using OpenAI, improving automation and compliance processes.
- Optimized prompt engineering to enhance AI-generated responses for legal document review.
- Developed real-time features and collaborative data integration using Angular, NestJS, and MongoDB.
- Implemented unit tests to improve robustness and maintainability of AI-powered workflows.

Technologies used: OpenAI, Angular, TypeScript, NestJS, MongoDB, Git.

Software Engineering Intern

OAK Visuals

Tunisia

07/2023 – 08/2023

- Designed a user-friendly front-end interface for unified AI access, featuring customizable shortcuts.

Technologies used: React.js, Spring Boot, Flask.

Key Achievements

Agile & Scrum: Successfully adopted Scrum and Agile methodologies, improving teamwork and project delivery.

AI Integration: Developed AI-powered automation tools to enhance decision-making and improve system efficiency.

Version Control: Used GitHub for version control, repo management, branching, and code reviews via pull requests.

Software Engineering: Applied TDD, SOLID, and OOD for clean, scalable code.

AI & Data Science courses: Linear Regression, Deep Learning, Object Localization. (View certifications.)

Activities and Projects

Tunisian Coin Identification: Coin classification project utilizing MFCC features and neural networks (Python).

Advanced Brain Tumor Detection System: AI-powered web solution for early diagnosis (Python).

SignSense: Real-time ASL hand sign detection system (Python).

School Supplies Mobile App: App for managing donations for school materials (React Native, Node.js, MongoDB).

Hospital Management Web App: Web app for scheduling and doctor coordination (React.js, Node.js, Firebase).

COVID-19 Analysis Project: Data science project for insights into COVID-19 data (Python).

Skills

Programming Languages: TypeScript, JavaScript, Python, HTML/CSS

Technologies: Angular, React.js, Node.js, NestJS

Databases: MySQL, MongoDB

Tools: GitHub, VS Code, Scrum

Others: Stats, Linear Algebra, Machine Learning, Data Mining

Languages

English: C1

French: C1

Arabic: C2

Networks

• LinkedIn: mariemaissa

• GitHub: myraissa

• Portfolio: mariemaissa.live