



AMINE SAKOUIHI

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INTRODUCTION

“As a Computer Science student at Mines Nancy, I am eager to leverage my skills and curiosity through a summer internship in AI & machine learning development.”

SKILLS

Python Java SQL Typescript
Agile Object-oriented Programming

Team player Bias for action
Problem solving

CERTIFICATIONS

Machine Learning Specialization
DeepLearningAI

Oct 2024

C1 Advanced
Cambridge

Jun 2024

LANGUAGES

English
French
Arabic



EDUCATION

M.S. in Computer Science

École des Mines de Nancy

Sept. 2023 – June. 2026

- Coursework: Probability, Bayesian Statistics, Machine Learning, Artificial Intelligence, Robotics, Software Engineering, Data Structures & Algorithms, Database Management

B.S. in Maths & Physics

Preparatory School, Lycée Janson de Sailly

Sept. 2021 – June. 2023

EXPERIENCE

Machine Learning Intern

Luxembourg Institute of Technology (LIST) x Mines Nancy

Oct. 2024 – Apr. 2025

Remote

- Developed and deployed a scalable **Retrieval-Augmented Generation (RAG)** application to support researchers in leveraging **AI-driven insights**.
- Utilized **Sentence Transformers** from **Hugging Face** to generate high-quality, **domain-specific embeddings** for scientific literature.
- Engineered advanced **data extraction pipeline** using **Python** and state-of-the-art machine learning frameworks.
- Streamlined **model management** and experimentation with **MLflow**, ensuring reproducibility and scalability.
- Optimized deployment processes through **containerization** with **Docker**, enhancing **system reliability** and **portability**.

PROJECTS

Full-Stack Developer

CodeFlow

Jul. 2024 – Aug. 2024

- Designed, developed, and deployed a full-stack application called **CodeFlow** using **Next.js**, **React**, and **MongoDB**.
- Created a collaborative platform for a class of **30 computer science students**, enabling them to **post and comment** on each other's posts to facilitate **bug resolution** and **knowledge sharing**.

Image Processing Application

Collaborative Project

Nov. 2024

- Collaborated on a **JavaFX-based image processing application** featuring advanced **filtering algorithms** and an intuitive **user interface (UI)**.
- Utilized **JUnit** to rigorously test application features, ensuring functionality, reliability, and robustness.
- Applied **Agile methodology** to ensure efficient and iterative development, enhancing collaboration and adaptability.