



DEHBI KAMAL

Data Science, AI & Big Data Engineering Student

Looking for an end-of-studies internship (4–6 months) from February

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EDUCATION

ENSAM Rabat : École nationale supérieure d'Arts et Métiers

Engineering in Data Science, AI | Integrated Preparatory Class.

Rabat, Morocco

Sep 2021 - Present

PROFESSIONAL EXPERIENCE - INTERNSHIPS

Chatbot Development | Digiteam Archytas Conseil

Rabat, Morocco | Jul 2025 - Sept 2025

- Developed a chatbot for the [Fairlynk](#) platform leveraging a RAG pipeline and LangChain integrated with the Groq API.
- Supported multilingual questions in French, English, and Spanish.
- Built user interface using Streamlit, HTML, and CSS.

Backend Development | Bank Al-Maghrib (Dar Assikah)

Sale, Morocco | Jul 2024 - Aug 2024

- Built a Flask API for license plate detection from images using a CNN model.
- Achieved 95% accuracy on Moroccan plates.
- Designed PostgreSQL database schema using SQLAlchemy.
- Deployed the application using Docker containers.

SKILLS

Programming Languages:

Python, Java, C, C++, R, Matlab, Scala, HTML, CSS, JavaScript

Machine Learning - AI:

TensorFlow, Keras, Scikit-learn, XGBoost, OpenCV, NLTK, Spacy, LangChain, YOLO

Data Analysis - Viz:

Pandas, NumPy, Matplotlib, Seaborn, Plotly, Power BI, Google Looker Studio

Big Data:

Apache Kafka, Hadoop, Hive, Pig, Sqoop, Spark, HBase

Web Development:

Flask, FastAPI, Java EE, React, Streamlit, Bootstrap, Jinja, SQLAlchemy, BeautifulSoup, Selenium

Tools - Platforms:

Git, GitHub, Linux, Docker, VS Code, AWS Cloud

Databases:

MySQL, PostgreSQL, SQLite, Oracle SQL, MongoDB, Neo4j

Languages:

Arabic (Native), French (Fluent), English (Fluent)

ACADEMIC PROJECT

Earthquake Early Warning System

Deep Learning, CNN, GNSS

Designed CNN models using high-rate GNSS data to predict earthquake magnitude and fault lines with improved accuracy.

Mini Cloud Training Platform

FastAPI, CrewAI, MLflow, Streamlit

Fine-tuning platform for LLMs with CrewAI multi-agent architecture, JWT authentication, and MLflow tracking.

ENSAM Alumni Tracking (LinkedIn)

Beautiful Soup, Selenium

Developed web scraping tools to collect alumni data from LinkedIn, performed data analysis, and built models to predict career paths.

Real-Time Stream Processing with Apache Kafka

Apache Kafka, Streamlit, YOLO

Implemented a scalable real-time data streaming architecture using Apache Kafka to process images, videos, and text data streams.

MySQL to Hadoop Migration with Sqoop

Sqoop, Hadoop, Hive, HDFS

Built data pipeline to transfer data from MySQL to HDFS using Sqoop and performed analysis with Hive.

Brain Tumor Classification

Deep Learning, CNN

Developed a CNN model to classify brain tumors as benign or malignant, achieving 98% accuracy.

CERTIFICATIONS

- AWS Cloud Practitioner (CLF-C02) - [DataCamp](#)
- CCNA: Introduction to Networks - [Cisco Networking Academy](#)
- CS50x: Introduction to Computer Science - [Harvard University \(edX\)](#)