Mustapha Liaichi

Data Science & AI Engineer

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EDUCATION

School of Information Science   **2022 – 2025**
Engineer's degree - Data Science   *Rabat, Morocco*

Ibn Tahir   **2020 – 2022**
CPGE - Mathematics and Physics   *Errachidia, Morocco*

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Machine Learning
- Deep Learning
- Natural Language Processing
- Computer Vision
- Big Data Analytics
- Cloud Computing
- API Development

PROJECTS

AutoEDA Chat - Automated Exploratory Data Analysis

- Developed an AI-powered platform for automated Exploratory Data Analysis using Next.js, React, and Node.js.
- Integrated OpenAI's GPT models and implemented Retrieval Augmented Generation (RAG) for context-aware AI responses.
- Utilized PostgreSQL with Drizzle ORM for data management and AWS S3 for secure file storage.

AI-Powered Internship Evaluation System ⬀

- Implemented multiple LLMs (GPT-4, Groq's Mixtral 8x7B) for automated internship evaluations.
- Created a multi-agent system using CrewAI and LangChain for efficient LLM interactions.

REG-ESI Chatbot ⬀

- Built an intelligent chatbot for HDR and MAA regulations using advanced NLP techniques.
- Utilized FAISS for efficient vector storage and retrieval.

SpamClassifierAPI ⬀

- Developed an end-to-end ML pipeline for email classification.
- Implemented model training, hyperparameter tuning, and API deployment using FastAPI.

EXPERIENCES

Data Science Intern www.diezagency.com   **Jul 2024 - Sep 2024**

- Developed AutoEDA Chat, an AI-powered platform for automated Exploratory Data Analysis.
- Designed and implemented a full-stack application using Next.js, React, and Node.js.
- Integrated OpenAI's GPT models and implemented Retrieval Augmented Generation (RAG).

AI Engineer peopleperhour.com   **2021 - Present**

- Specialized in web scraping, automation, and machine learning projects.
- Developed data extraction tools using Scrapy and BeautifulSoup.
- Collaborated with over 30 clients globally, delivering tailored AI solutions.
- Built Retrieval-Augmented Generation (RAG) systems and trained various ML models.
- Conducted big data extraction projects and deployed models to production environments.

CERTIFICATIONS

Applied Data Science Lab **Sep 2023**
WorldQuant University *Verify*

IBM Machine Learning Essentials **Aug 2024**
IBM *Verify*

IBM Machine Learning Specialist - Professional **Aug 2024**
IBM *Verify*

TECHNICAL SKILLS

Languages: Python, SQL, C++
AI Technologies/Frameworks: TensorFlow, PyTorch, Scikit-learn, Keras, NLTK, SpaCy
Other Tools & Technologies: Git, Docker, AWS, Azure, FastAPI, Flask, Streamlit, MongoDB, PostgreSQL