

MOHAMED SAIDI

AI Engineer & Data Scientist



Paris, France



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<https://m21saidi.github.io/>



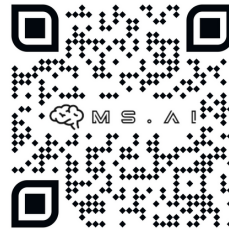
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EDUCATION

MSc in Data Science Aug 2021 - Present

➤ **IMT Atlantique (Telecom Bretagne)** Brest, France

Advanced Statistics, DL, ML, Reinforcement Learning, Stochastic Modelling and Analysis, Optimization,...

Ranked 5th in France

Expected graduation : Oct 2024

GPA : 3.68/4

Exchange Program: Data Science Feb - Aug 2023

➤ **University of South Australia** Adelaide, SA

Neural Networks, Computer Vision, CNN, RNN, DL, ML, Probabilities, Statistics, Analytics, Decision Making,...

GPA : 4.0/4 | High Distinction (HD) Grade

Preparatory Education Aug 2019 - Jul 2021

➤ **Omar Ibn Al Khattab** Meknes, Morocco

Prep Class: Mathematics, Physics and Computer Science
Ibn Rochd Foundation Scholarship for Science and Innovation, 2021 (Excellence Award)

PROJECTS

• **Dyvem** | Oct 2022 - Jan 2023 | Nantes, France
Applied Python-based operations research and ML techniques for the cutting stock problem.

• **Math&Maroc Association, AI Division**
Working on fine-tuning LLMs for mathematics education tailored to the Classes Prépa program.

• **AI & Data Science Projects :**

- Fine-tuned Large Language Models (Mistral 7B, Llama 2 7B) for generating Julia code.
- Created a chatbot based on streamlit documentation (Langchain, RAG approaches...)
- Research Project : Explored hyperparameter transfer techniques (muP) based on Tensor Programs Papers by Greg Yang.
- Video object detection using the Goturn model

PROFESSIONAL EXPERIENCE

• **Dassault Systèmes - Gen AI Engineer & Data Scientist**

Paris, France | 04/2024 - Present

Developing a multi-agent assistant using LLMs for app integration: Focusing on fine tuning, prompt engineering, pipeline design, and prompt engineering.

Employing strategies like Plan&Execute, ReAct, and frameworks such as Langchain and LangGraph.

• **University of South Australia - Chatbot Development**

Adelaide, Australia | 07/2023 - 08/2023

Designed and implemented a basic chatbot utilizing **generative AI** technologies, including OpenAI's ChatGPT and Langchain, for a student support system.

• **Orange - Data Scientist Intern - Project Manager Assistant**

Bordeaux, France | 01/2023 - 03/2023

Development of a Robot & Chatbot using AI and RPA: project management, data science, **NLP**, **ML**, **DL**, **PyTorch**, transformers...
Received a **recommendation** (Available on LinkedIn profile).

• **Si2Y - Developer Intern**

Toulon, France | 01/2022 - 02/2022

I developed a Windows Presentation Foundation (WPF) desktop application to control a robot using C# and XAML.

SKILLS

- | | |
|----------------------|---|
| • Machine Learning | • Python (openai, PyTorch, Transformers, Hugging-Face...) |
| • Deep Learning | • R, Julia |
| • NLP | • SQL |
| • Gen AI, LLMs | • Langchain, LangGraph |
| • Data Analysis | • BigQuery, GCP |
| • Data Visualization | • Java |
| • Statistics | • Git |
| • Data Storytelling | |

LANGUAGES

- | | |
|------------------------------------|-----------------|
| • English Professional (IELTS 8/9) | • Arabic Native |
| • French Native | • Spanish Basic |