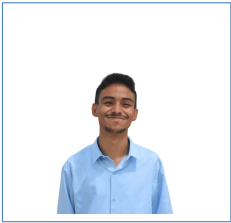


Abderrahim Abdellaoui

Engineering Student at
ENSEEIH

+33 7 73 84 19 34
abderrahim.abdellaoui.82@gmail.com
in linkedin.com/in/abderrahim-abdellaoui-055b271a0



Seeking a position in the field of data science and generative AI.

PROFESSIONAL EXPERIENCE

- September 2023–September 2024
- Data Scientist/Generative AI Engineer (Apprenticeship), Amadeus, Sophia Antipolis, France**
 - Developed an AI-based automated response solution, significantly enhancing user experience by providing instant answers to administrative configuration questions.
 - Designed and deployed a generative AI-powered chatbot using the **RAG** technique, improving document search and reducing manual search time.
 - Implemented **LLM agents** to automate configuration settings via conversational AI, reducing the time spent by administrators on manual configuration tasks.
 - Optimized the AI solution by migrating from **Flask to NestJS** for improved scalability and performance, ensuring seamless integration with the company's infrastructure.
 - Conducted feedback analysis and continuous improvement cycles to refine the chatbot's accuracy and effectiveness, leading to improvement in response precision.
 - Technologies used:** Langchain, Flask, Chromadb, NestJs, Couchbase, Azure OpenAI.
- July 2023–September 2023
- Data Scientist Intern, HPS, Casablanca, Morocco**
 - Improved **fraud detection models** in financial transactions using **machine learning**.
 - Collaborated with the data science team to conduct **data collection, preprocessing, and model deployment** for real-time fraud detection.
 - Developed advanced **visualization tools** to better present fraud risk.
 - Technologies used:** pandas, seaborn, TensorFlow, sklearn.

EDUCATION

- September 2021–Present
- Major: Digital Sciences, INP-ENSEEIH, Toulouse, France**
Specialization in Digital Sciences.
- September 2019–June 2021
- Preparatory Classes, Omar Ibn Alkhattab Center, Meknes, Morocco**
Option: Mathematics and Physics.
- September 2018–June 2019
- Baccalaureate, Badr High School, Meknes, Morocco**
Option: Mathematics.

PROJECTS

- Transformers, PyTorch, Hugging Face
- Fine-tuning Open Source LLM Model**
 - Fine-tuned the **Mistral 7B model** for the Julia programming language.
 - Technologies:** Python, Transformers, PyTorch, Hugging Face.
- OpenCV, YOLO, scikit-learn
- Data Science Applied to Football**
 - Fine-tuned a **YOLO model** to track football and player positions.
 - Analyzed player statistics and developed a model to predict player ratings.
 - Technologies:** Python, OpenCV, YOLO, scikit-learn.
- Matlab
- Facial Recognition Application**
 - Developed a facial recognition model using **Principal Component Analysis (PCA)** and **k-Nearest Neighbors (k-NN)** classification techniques.

SKILLS

- Programming
- Python, Java, C, SQL, MATLAB, HTML/CSS, JavaScript, TypeScript
- Technologies
- Langchain, Flask, Django, PyTorch, TensorFlow, Transformers, NestJS, Couchbase, Chroma DB, pandas, scikit-learn, seaborn, OpenCV, YOLO
- Expertise
- Artificial Intelligence, Generative AI, Machine Learning, NLP, Data Analysis, Data Visualization, Prompt Engineering
- Other
- Problem-solving, Teamwork

LINGUISTIC SKILLS

Arabic: Native | French: C1 Level | English: Advanced (C1+)