Aafaf RIDOUAN

✉ aafafridouan@gmail.com 📞 0643513005

📍 Marrakech, Morocco in Aafaf RIDOUAN

🐙 Aafaf-rido kaggle aafaf ridouan

Profile

I am a data science student with a strong passion for data. I am interested in building models that solve real problems and visualizing data to make decision-making easier and more efficient. I enjoy exploring new things, being challenged, and working on real-world projects. I'm thrilled to tackle new challenges and learn from experienced data scientists. Pushing the boundaries of data science and making a positive impact in the field is what I am committed to.

Languages

- Arabic
- French
- English

Skills

Data preparation and analysis

Machine Learning Engineering
Regression/Classification models
Clustering algorithms
Reinforcement learning
Feature engineering

Deep Learning
CNN, RNN, LLM

Natural Language Processing
Text processing
Sentiment Analysis
Sequence-to-Sequence Models

Big Data Analytics
Hadoop, MapReduce, Spark

Data Visualization
Power BI

Programming Languages
Python, R, C, Java

Database
SQL, NoSQL, PL/SQL

Soft Skills
Teamwork
Problem Solving
Critical Thinking
Adaptability

Education

Master's degree in Data Science,
Faculty of Science Semlalia, Cadi Ayyad University
2022 – present | Marrakech

Bachelor's degree in mathematics and Computer Science Software Engineering major, *Faculty of Science Ibn Zohr*
2019 – 2022 | Agadir

Baccalaureate diploma in mathematics B,
Al Massira Al Khadra High School
2018 – 2019 | Tiznit

Projects

Machine Learning, *Moroccan Music Classifier*
Streamlit application that classifies the Moroccan music (Gnawa, Chaabi...) using an LSTM model and a dataset built from scratch.

Deep learning
Education guidance chatbot for Moroccan students using fine-tuning Language Models (LLMs) with langchain.

NLP
Sentiment, Emotions and sarcasm detection in English text.

Computer Vision
Medical image analysis for early disease detection.

Big Data
Big Data Ecosystem for mineral processing using Spark, Kafka, Hadoop, Hbase

Reinforcement learning
Object detection using RL.

BI
Monitoring the birds' abundance in Morocco using ebird data, along with predicting the number of their occurrences.

Python Project
Identifying influential nodes in a complex network using K-means.

Extracurricular Activities

Volunteering work
Volunteering at Assafaa Association for women and kids

University Clubs
Co-Leader of Google Developer Student Clubs FSSM 2022

Music
Piano, Ukulele

Certificates

Supervised Machine Learning: Regression and Classification
By Andrew Ng, Stanford, Coursera

Advanced Learning Algorithms
By Andrew Ng, Stanford, Coursera