

BELFAIDA MOHAMMED REDA

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🌐 <https://belfaida-portfolio.vercel.app/>

PROFILE

I am currently in my 2nd year at Ensimag, pursuing the Mathematical Modeling, Imaging, and Simulation track. Passionate about **Data Science** and **Machine Learning**, I am planning a gap year to deepen my skills in these fields. I am **looking for a 6-month internship starting in June 2025** to apply my knowledge and gain significant professional experience.

EDUCATION

Grenoble INP

Engineering Program

Ensimag, France

Sep. 2023 – Present

- **Courses taken:** Statistical Learning, Machine Learning, Deep Learning, Object-Oriented Programming (Java / Python), Inferential Statistics, Probabilistic Models for Learning, Database Architecture, Introduction to AI

Lycée Claude Fauriel

Preparatory Classes for Engineering Schools MPSI/MP

Saint-Étienne, France

Sep 2022 – June 2023

Lycée Mohammed VI

Preparatory Classes for Engineering Schools MPSI/MP

Kenitra, Morocco

Sep. 2020 – June 2022

PROJECTS

NBA Match Result Prediction

Machine Learning, Deep Learning, Data Analysis, Python

Oct 2024 – Present

Personal Project

- Developed a machine learning model in Python to predict NBA match results (money line and over/under), with a 69% accuracy on money lines.
- Integrated data from the 2007-08 season to present, using libraries like TensorFlow and XGBoost.

Personal Portfolio Design

Next.js, React.js, Tailwind CSS

Sept 2024 – Oct 2024

Personal Project

- Developed a personal portfolio using Next.js, React.js, and Tailwind CSS for a modern and responsive design.
- Implemented a contact form with submission management to facilitate communication using emailJS.
- Optimized performance and accessibility for a better user experience.
- Deployed the project via Vercel.

Database Design and Management Project

PL/SQL, PostgreSQL, Java

Sept 2024 – Oct 2024

Academic Project

- Designed a database management application for a mountain activity club.
- Chose the database architecture and implemented the functionalities in PL/SQL.
- Implemented a Java/JDBC demonstrator to interact with the database and test its features.

Prediction of the 2025 AFCON Winner

Machine Learning, Data Visualization, Data Analysis, Python

Aug 2024 – Sept 2024

Personal Project

- Predicted the winner of the 2025 Africa Cup of Nations using machine learning models.
- Collected and analyzed data to extract trends, applying them to predictive algorithms.

Machine Learning for Movie Recommendations

Machine Learning - Python - Pandas - MovieLens Database

June 2024 – Aug 2024

Personal Project

- Created a movie recommendation system using Python and the Pandas library.
- Developed a system capable of recommending movies similar to those already watched by the user by analyzing trends and preferences in movie ratings.

DISTINCTIONS

Scholarship awarded by the Moroccan and French governments

Ranked 217th out of **3,822** candidates in the engineering school entrance exam **CCINP**

Ranked 4th in the Moroccan National School Chess Championship, **2014** edition

SKILLS

Programming Languages: Python, Java, PL/SQL, R, HTML, CSS, JavaScript

Frameworks and Tools: PyTorch, TensorFlow, Scikit-learn, Pandas, NumPy, Keras, React.js, Next.js, Node.js, Tailwind CSS

Languages: French (Bilingual), Arabic (Bilingual), English (Professional Proficiency), German (Beginner)