

BELFAIDA MOHAMMED REDA

☎ +33 7 69 09 71 54 ✉ Mohammed-reda.belfaida@grenoble-inp.org

🌐 <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 - Ensimag

Engineering Program

Grenoble, France

Sep. 2023 – Present

- **Relevant Coursework:** 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

Dec 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 of a database management application for a company that operates an auction sales service.
- 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.

Content-Based Movie Recommendation System

Machine Learning - Natural Language Processing - Python - Streamlit

June 2024 – Aug 2024

Personal Project

- Created a movie recommendation system using Python and the Pandas library.
- Integrated the TMDB API for real-time data retrieval, implementing a recommendation engine that displays the top five similar movies with their posters.

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)