

# Reda BENJELLOUN – Data Science and AI trainee candidate



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[Reda Benjelloun](#)



Casablanca, Morocco

## Education

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### Mohammed VI International Academy of Civil Aviation-AIAC

Sep. 2022 - present

Master's of Engineering, Computer Science Major

(Main Modules: Data Analysis, Statistics, Probability, SQL, PL/SQL, Basics of AI, Project management, Agile Methodology)

### CPGE Elbilal Sup

Sep. 2020 - June 2022

Preparation for major engineering schools

(Main Modules: Mathematics, Physics, Engineering sciences)

## Work Experience

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### MENTORNESS

Remote

#### Virtual Internship

April 2024 - May 2024

Analyzed a COVID-19 dataset using SQL to extract insights on geographic locations, dates, confirmed cases, deaths, and recoveries. Utilized Power BI to analyze a hotel aggregator dataset, identifying trends and factors affecting ad performance through geographic overviews, price analysis, host ratings, review scores, and property/room types. Delivered interactive dashboards and reports with actionable recommendations.

### WAFAGESTION

Casablanca, MA

#### Summer Internship

July 2023 - August 2023

Creation of a chatbot based on WafaGestion's website to answer users' questions. The project was carried out with the Python programming language using the PyTorch library in particular, and was deployed using the Flask framework.

## Projects

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### WorldQuant University Applied Data Science Labs

- *Housing in Mexico*: Data cleaning and visualization with pandas.
- *Housing in Buenos Aires*: Machine learning pipeline and advanced visualizations with Mapbox.
- *Air Quality in Nairobi*: Time series modeling with autoregression.
- *Earthquake Damage in Nepal*: Classification models using SQL data.
- *Bankruptcy in Poland*: Ensemble models for imbalanced data.
- *Customer Segmentation in the US*: K-means clustering and PCA, Dash app deployment.
- *A/B Testing at WorldQuant University*: ETL processes, chi-square tests, interactive web app.
- *Market Forecasting in India*: GARCH model predictions, custom web API creation.

### Movie Recommendation System

Creating a movie recommendation system implemented in Python, with an interactive user interface created using Streamlit.

### Covid-19 Death and Vaccination Analysis

Conducted analysis on Covid-19 death and vaccination data. Explored trends in mortality rates and vaccination effectiveness using separate databases. Aimed to gain insights into the impact of the pandemic on deaths and vaccination rates.

## Certificates

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Applied Data Science - **WorldQuant University**

Python for Finance - **365 Data Science**

Fundamentals of Deep Learning - **NVIDIA**

IBM & Darden Digital Strategy - **Coursera**

## Skills & Knowledge

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### Probability and Statistics

**Programming languages** Python | C++ | Java | SQL | PL/SQL | MongoDB

**Machine Learning Libraries** TensorFlow | Scikit-learn | PyTorch

**Machine Learning Algorithms** K-means | KNN | Linear regression | Naive Bayes | Classification trees | Principal Components Analysis | Random Forest | Neural Networks | Logistic Regression.

**Data visualization tools** Matplotlib | Seaborn

**Languages** French | English (fluent) | Arabic (bilingual) | Spanish (intermediate)

## **Extra-Curricular Activities**

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**President at AIAC IT Club**

**Member of the sponsorship unit of the PARADISIERS AIAC Club (humanitarian club )**