



# BEN TOUHAMI MOHAMED RIDA

Data engineering student

## About me

Enthusiastic data engineering student at the National School of Applied Sciences of Al Hoceima, driven by a passion for IT and data. Eager to learn and contribute to challenging projects, I possess strong foundational skills in data engineering. Committed to continuous growth, I am excited about the opportunities to apply my knowledge and skills in real-world scenarios

## Contacts



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<https://bentouhami-mr.github.io/Portfolio/>

## Languages

- **Englsh** (intermediate)
- **Frensh** (intermediate)
- **Arabe** (Native)

## Expertises

- **Big data**
  - Spark - hadoop - Data Warehouse
  - kafka - Airflow - Web Scraping( BeautifulSoup/ Selenium)
- **Machine Learning**
  - classification - clustering - Regression - scikit-learn -Pandas
- **DataBases**
  - Oracle - Mysql - Cassandra - MongoDB
  - SQLServer - PostgreSQL
- **Programming languages**
  - Python - Java (Spring) - C - PL/SQL - Html - Css -javascript- Shell
- **Operating System**
  - Linux (Ubuntu) - Windows

## Experiences

### patent Analysis

This project leverages big data for comprehensive patent analysis. APIs collect data, **MongoDB (on-premise)** store it, **Apache Spark** analyzes it, and **Power BI** visualizes insights. A **Flask** web app allows users to search and select patents for further analysis.

### Hybrid Regression for Apartment Price Prediction and Recommendation

This real estate app uses web scraping to collect data and then predicts prices with a powerful **hybrid regression** model. It recommends similar apartments based on user input and budget. All this is delivered through a user-friendly web interface built with **Flask** and common web technologies **html, css and js**.

### Grade management application

The project builds a grade management application in **Java**. It lets you manage student grades, create reports for meetings (in Excel format), and connects to a **MySQL** database for data storage.

### Student Management Application

Designed and developed a user-friendly student management application with **Tkinter** in **Python**. Seamless integration with **MySQL** for optimal data management, offering a complete and efficient solution.

### Design and Development of a File System

Key contribution to the development of a file system in Python, **with focus on users system design** and creation of custom commands. Enriching experience that strengthened my **Python** programming skills, while playing a significant role in the success of the project

## Education

### Data Engineering

2022-2025 National School of Applied Sciences of Al Hoceima

### Preparatory cycle

2020-2022 National School of Applied Sciences of Al Hoceima

### Baccalaureate of Science in Mathematics

2019-2020 Molay Ali Chrif High School, Al Hoceima

## Certificates

