

# Amine Bouanani

## DATA SCIENTIST/BUSINESS ANALYST

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### SUMMARY

I'm a Data Science graduate with a Bachelor's in Statistics and Data Science, currently pursuing an Engineering degree in Data Science and Business Intelligence, and a Master's in Artificial Intelligence and Digital Science. I'm skilled in Data Science, Data Analysis, BI, and Automation using Python, R, SQL, Tableau, Power BI, and n8n. I also have hands-on experience in machine learning, predictive modeling, data pipelines, and ERP/CRM manipulation to enhance business processes. Passionate about leveraging data and automation to drive AI innovation, optimize decision-making, and support digital transformation across industries.

### EDUCATION

#### FST TANGER, ABDELMALEK ASSAIDI UNIVERSITY– Tanger, Morocco

Bachelor Degree In Statistics and Data Science

September 2021 - July 2024

#### ISMAGI SCHOOL ,MOHAMMED V UNIVERSITY – Rabat, Morocco

Currently enrolled in a Engineering Degree in Data Science and Business Intelligence

September 2024 - August 2026

#### FACULTY OF SCIENCES ,MOHAMMED V UNIVERSITY – Rabat, Morocco

Currently enrolled in a Master's Degree in AI and Digital Science

September 2024 - August 2026

### EXPERIENCE

#### DATA SCIENTIST INTERN

April 2024 - July 2024

##### Tanger Med Port Authority – Tanger, Morocco

- Analyzed **CO2 emissions** at the port, comparing them with **global and African data** to evaluate environmental impact.
- Created **dashboards to visualize emission trends** and identified key emission-related problems, proposing solutions beyond existing measures.
- Delivered actionable insights through **data analysis and visualizations** to support sustainable emission reduction strategies.

#### RESEARCHER FOR DEMOGRAPHIC SURVEY IN MOROCCO 2024 (RPHG 2024)

September 2024 - October 2024

##### Haut Commissariat au Plan– Temara, Morocco

- I was a **researcher** for the demographic census conducted in Morocco in 2024, where I was responsible for directly engaging with people, knocking on doors, and collecting **demographic information**

#### AI ASSISTANT INTERN

June 2025 - August 2025

##### Haut Commissariat au Plan– Temara, Morocco

- Developed a **Darija-speaking chatbot** using a **Retrieval-Augmented Generation (RAG) system** powered by **FAISS indexing** and **Gemini API**, enabling users to interact naturally in Moroccan Arabic.
- Integrated **data from the Haut Commissariat du Plan (HCP)** — including PDFs and Excel datasets — to provide accurate, up-to-date insights on Morocco's socio-economic indicators.
- Built a **user-friendly platform** that allows citizens and researchers to easily **access official Moroccan data in Darija**, promoting **inclusivity and accessibility of national information**.

### PROJECTS

- Movie Recommendation System** : I developed a movie recommendation system using **Python**, trained the data on **Google Colab**, and created an interactive interface with **Streamlit in PyCharm** to provide personalized movie suggestions based on user preferences.

- **Development of an Attendance Management System** : I developed a **Facial Recognition-Based Attendance Management System** that automates attendance tracking using **CVZone and OpenCV (cv2)** for facial recognition. The system stores data in real-time with **Firebase Realtime Database**, providing accurate and efficient attendance management for schools, businesses, and events
- **Renault Car Management System** : I helped develop a **Renault car management system** that tracks cars and their parts using **scanning technology**, streamlining the creation workflow. I worked on the **full stack** with **Angular, Node.js, and PostgreSQL**, building a **reliable and efficient management platform**.
- **Development of NextJob – AI-Powered Job Matching Platform** : I led the **AI/Data Department** for **NextJob**, a secure platform built with **React, Spring Boot, and PostgreSQL**. I developed two **AI models in Python** for job-candidate matching and career recommendations, and integrated **real-time traffic analysis with Power BI**, delivering a **data-driven, personalized experience** for users and improving the **recruitment process**.
- **AI-Powered Customer Feedback & Rapid Response System** : Developed an **n8n automation** that gathers feedback from **email, Reddit and Tally forms**, analyzes it with **AI**, classifies it as a **compliment, suggestion, or problem**, and routes it to the right **Discord group** for quick action.

## SKILLS

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- **Programming:** Python, R, SQL,Javascript(React)
- **Frameworks:** Angular , Django,
- **Data Science:** Machine Learning, Data Preprocessing, Model Evaluation
- **AI:** TensorFlow, Scikit-learn,Pytorch
- **Data Engineering:** ETL, Data Pipelines
- **Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Tableau,Power BI
- **Web Scraping:** BeautifulSoup, Selenium
- **ERP & CRM :** Odoo
- **Big data:** Hadoop , spark , MongoDB
- **Problem-Solving:** Quickly identifies issues and develops effective, practical solutions
- **Collaboration:** Works seamlessly with team members to achieve common goals
- **Communication:** Clearly conveys ideas and information to diverse audiences.

## CERTIFICATIONS

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**AIx** : Ai Career Essentials Certification, Founder Academy for project management Certification

**Google** : Google analytics Certification, Google Ads Ai-Powered Performance

**HackerRank** : Software Engineer Certification

**HP** : Social Media Marketing, Presenting Data,Effective Business Websites,Data Science & Analytics, Agile Project Management Certifications

**Udemy** : Docker, Professional Certificate in Marketing and Advertising,Python Programming

**Cisco**: Python Essentials , Ethical Hacker

## LANGUAGES

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Arabic - Native

English - Bilangue

French - Expert