

# 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

<b>FST TANGER, ABDELMALEK ASSAIDI UNIVERSITY</b> – Tanger, Morocco Bachelor Degree In Statistics and Data Science	<b>September 2021 - July 2024</b>
<b>ISMAGI SCHOOL ,MOHAMMED V UNIVERSITY</b> – Rabat, Morocco Currently enrolled in a Engineering Degree in Data Science and Business Intelligence	<b>September 2024 - August 2026</b>
<b>FACULTY OF SCIENCES ,MOHAMMED V UNIVERSITY</b> – Rabat, Morocco Currently enrolled in a Master's Degree in AI and Digital Science	<b>September 2024 - August 2026</b>

### EXPERIENCE

<b>DATA SCIENTIST INTERN</b> <b>Tanger Med Port Authority</b> – Tanger, Morocco	<b>April 2024 - July 2024</b>
<ul style="list-style-type: none"><li>Analyzed <b>CO2 emissions</b> at the port, comparing them with <b>global and African data</b> to evaluate environmental impact.</li><li>Created <b>dashboards to visualize emission trends</b> and identified key emission-related problems, proposing solutions beyond existing measures.</li><li>Delivered actionable insights through <b>data analysis and visualizations</b> to support sustainable emission reduction strategies.</li></ul>	
<b>RESEARCHER FOR DEMOGRAPHIC SURVEY IN MOROCCO 2024 (RPHG 2024)</b> <b>Haut Commissariat au Plan</b> – Temara, Morocco	<b>September 2024 - October 2024</b>
<ul style="list-style-type: none"><li>I was a <b>researcher</b> for the demographic census conducted in Morocco in 2024, where I was responsible for directly engaging with people, knocking on doors, and collecting <b>demographic information</b></li></ul>	
<b>AI ASSISTANT INTERN</b> <b>Haut Commissariat au Plan</b> – Temara, Morocco	<b>June 2025 - August 2025</b>
<ul style="list-style-type: none"><li>Developed a <b>Darija-speaking chatbot</b> using a <b>Retrieval-Augmented Generation (RAG) system</b> powered by <b>FAISS indexing</b> and <b>Gemini API</b>, enabling users to interact naturally in Moroccan Arabic.</li><li>Integrated <b>data from the Haut Commissariat du Plan (HCP)</b> — including PDFs and Excel datasets — to provide accurate, up-to-date insights on Morocco's socio-economic indicators.</li><li>Built a <b>user-friendly platform</b> that allows citizens and researchers to easily <b>access official Moroccan data in Darija</b>, promoting <b>inclusivity and accessibility of national information</b>.</li></ul>	

### 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