

Amine Bouanani

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DATA SCIENTIST/AI ENGINEER

SUMMARY

Holder of a Bachelor’s degree in Data Science and currently pursuing an Engineering program in Data Science & Business Intelligence as well as a Master’s in Artificial Intelligence, I am seeking a final-year internship. I bring strong analytical skills, the ability to deliver reliable solutions, and effective collaboration to support project success.

FORMATION

ENGINEERING DEGREE IN DATA SCIENCE AND BUSINESS INTELLIGENCE	2024 - 2026
Institut Supérieur de Management, d'Administration et de Génie Informatique , Rabat	
MASTER’S IN ARTIFICIAL INTELLIGENCE AND DIGITAL SCIENCES	2024 - 2026
Faculty of Science, Rabat, Mohammed V University	
BACHELOR’S IN STATISTICS AND DATA SCIENCE	2021 - 2024
FST Tangier, Abdelmalek Essaadi University	
BAC SMA FRENCH OPTION	2020- 2021
Lycee El Ghazali , Temara	

PROFESSIONAL EXPERIENCE

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**

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**

SKILLS

- Programming & Databases:** Python (advanced), R, SQL, NoSQL
- Data Science & AI:** Machine Learning, Deep Learning, NLP, Time Series Forecasting, Recommendation Systems (Scikit-learn, TensorFlow, PyTorch)
- Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Tableau, Power BI (insight-driven dashboards)
- Data Engineering:** ETL pipelines, Big Data processing (Spark, Kafka, Hadoop)
- MLOps, Automation & Deployment:** Model deployment, experiment tracking, Docker, Git, Linux, APIs, n8n automation
- Frameworks & Systems:** Django, Odoo (data-driven applications & business systems)
- Data Collection & Processing:** Web scraping (BeautifulSoup, Selenium), data cleaning, feature engineering

PROJECTS

- **Movie Recommendation System:** Python-based system trained on Google Colab with a Streamlit interface delivering personalized movie suggestions.
- **Development of an Attendance Management System :** CVZone/OpenCV platform linked to Firebase Realtime Database for automated real-time attendance tracking.
- **Renault Car Management System :** Full-stack Angular/Node.js/PostgreSQL solution for tracking Renault vehicles and their parts using scanning technology.
- **Development of NextJob – AI-Powered Job Matching Platform:** React/Spring Boot/PostgreSQL infrastructure powered by two Python AI models for job matching and career recommendations.
- **AI-Powered Customer Feedback & Rapid Response System :** n8n automation that collects multi-source feedback, analyzes it with AI, and routes it to the appropriate Discord teams.

EXTRACURRICULAR ACTIVITIES

Founder & President – SPIRIT – IT & Career Development Club, ISMAGI RECONNU PAR L'ETAT (2025 – Present)

- Founded and lead a student club focused on technology skill-building, employability, and entrepreneurial mindset.
- Organized hands-on workshops, tech talks, and collaborative innovation sessions to prepare students for the job market.
- Coordinated member recruitment, event planning, and partnerships with professionals and university bodies.

CERTIFICATIONS

Salesforce : Salesforce Certified Agentforce Specialist

Aix : Ai Career Essentials Certification, Founder Academy for project management Certification

Google : Google analytics Certification

HackerRank : Software Engineer Certification

HP : Presenting Data, Data Science & Analytics, Agile Project Management Certifications

Udemy : Docker, Python Programming

Cisco: Python Essentials , Ethical Hacker

LANGUAGES

Arabic - Native

English - Fluent

French - Proficient