

# 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

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

### PROFESSIONAL EXPERIENCE

<b>AI ASSISTANT INTERN</b>	<b>June 2025 - August 2025</b>
Haut Commissariat au Plan– Temara, Morocco	
<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>	
<b>DATA SCIENTIST INTERN</b>	<b>April 2024 - July 2024</b>
Tanger Med Port Authority – Tanger, Morocco	
<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>September 2024 - October 2024</b>
Haut Commissariat au Plan– Temara, Morocco	
<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>	

### SKILLS

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

## PROJECTS

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- **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

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### 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

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**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

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Arabic - Native

English - Fluent

French - Proficient