Adam Bouzaaboul

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ABOUT ME

Software and data engineering student, passionate about technological solutions. Seeking a final-year internship to apply my skills in development and analysis.

EDUCATION

2023 - present	National Institute of Statistics and Applied Economics	Engineering cycle
2021 - 2023	Scientific preparatory classes	Mathematics and Physics stream

EXPERIENCE

High Commission for Planning (HCP)   Oujda, Morocco, Summer 2025

Development of a web application in **C#**, **ASP.NET (.NET)** and **Vue.js** for the management of civil servants, optimizing data flows and the user interface.

OCP IT department   Juin 2024 - Juillet 2024

Discovery internship within the OCP IT department, involving participation in the design and modeling of a data pipeline for internal operations.

PROJECTS

ByForMi – Intelligent Voice Assistant for Online Commerce   *INSEA, Rabat — 2025*

Development of an**IA** capable of processing customer requests in voice and text. Use of **RAG**, **Whisper** and **LangChain** to improve the user experience and automate interaction.

Credit Card Fraud Detection Model   *septembre 2025*

Credit card fraud detection model using **Random Forest** on imbalanced data. **Real-time** sytem with **Apache Kafka** for fast and continuous detection

Afaki.ma – Student Guidance Platform   *Lead Developer, Rabat — 2023*

Development of a web platform for the guidance of Moroccan students, with a responsive interface and dynamic generation of personalized pathways.

SKILLS

Programming	Python, Java, C, C#, JavaScript (ES6), HTML/CSS, Bash
Web	Flask, Spring Boot, ASP.NET Core, REST APIs, React
Databases	PostgreSQL, MySQL, SQLAlchemy, JDBC, ORM, ERD Design, B+ Trees
Data Science	NumPy, Pandas, Matplotlib, Scikit-learn, Time Series, Data Cleaning, SMOTE
DevOps/Security	Docker, Apache Airflow (Basics), Authentication, JWT

CERTIFICATIONS

DeepLearning.AI Data Engineering Professional Certificate   *Coursera*
Database Programming with SQL   *Oracle*