

OUMAIMA FOUZARI

Data Scientist • Applied AI & Analytics

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Technical Skills

Analytics: Python, SQL, Pandas, NumPy, Excel, Statistical Analysis, Data Wrangling

ML & AI: Scikit-learn, PyTorch, Hugging Face, Predictive Modelling, NLP, LLMs

BI: Power BI, Tableau, Plotly

Delivery: Streamlit, FastAPI, Flask, React, Git, Linux, MLflow

Experience

AI & Data Science Research Intern

Mar 2025 – Sep 2025

Mohammed VI Polytechnic University (UM6P)

Benguerir, Morocco

- Built an end-to-end data and modelling workflow for a domain-specific AI application, from extracting and cleaning source data to experimentation, evaluation and delivery of results.
- Processed content from 20+ technical textbooks into a structured dataset, using automated quality filtering and semantic similarity methods to reduce redundancy across thousands of samples.
- Evaluated alternative model configurations through quantitative metrics and error analysis, translating experimental results into recommendations for subsequent iterations.

Selected Analytics & AI Projects

Retail Performance Analytics

2026

Python, Pandas, Streamlit

GitHub | Live

- Analysed 500K+ retail transactions to identify revenue trends, purchasing patterns, geographic differences and product-level performance; transformed raw transaction data into business KPIs and interactive views.
- Built a Streamlit dashboard enabling users to filter performance across markets and products and investigate the drivers behind changes in sales.

Customer Churn Analytics & Prediction

2026

Python, Scikit-learn, FastAPI

GitHub | API

- Developed a customer-level churn prediction pipeline, including exploratory analysis, feature preparation, model evaluation and interpretation, reaching a ROC-AUC of 0.86.
- Packaged the selected model as a FastAPI service returning churn probabilities for new records, moving the analysis beyond a notebook into a reusable application.

Education

Master's in Data Science (Honours)

2023 – 2025

Ibn Zohr University

Agadir, Morocco

Bachelor's in Computer Science & Mathematics

2020 – 2023

Ibn Zohr University

Agadir, Morocco

Certifications

SQL (Intermediate) · HackerRank | Deep Learning · Cognitive Class | Machine Learning · Coursera | BCG Data Science Simulation · Forage | Deloitte Data Analytics Simulation · Forage | Google Data Analytics · Coursera (*in progress*)

Languages

Arabic & Tamazight (Native) | French (Professional, TCF C1) | English (Professional) | German (*In progress*)