

IBRAHIM YOUSSEUF ABDELATIF

JUNIOR DATA SCIENTIST (END-OF-STUDIES INTERNSHIP)

Availability: April 2026 | Mobile throughout France/Europe

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PROFILE

Aspiring Data Scientist from the Master 2 in Statistical & Financial Engineering at **Paris Dauphine University**. Proven track record at **Deloitte** (Predictive Modeling) and advanced skills in **GenAI (RAG)** and NLP. I combine mathematical rigor with business pragmatism to transform raw data into strategic decision-making tools.

TECHNICAL SKILLS

Data Science & AI: Python (Pandas, Scikit-learn, **LangChain**, PyTorch, TensorFlow), R, SQL, **RAG**, LLMs.

Big Data & MLOps: PySpark, **Azure**, Docker, MLflow, Git, Databricks.

Visualization: Power BI, Matplotlib, Seaborn, R Shiny.

PROFESSIONAL EXPERIENCE

Deloitte Chad

Data Scientist Intern

June 2025 – Sept. 2025

N'Djamena, Chad

- **Forecasting:** Engineered time-series models for the 2026 budget prediction. **Impact: Reduced Mean Absolute Percentage Error (MAPE) by 12%** compared to legacy methods.
- **Automation:** Streamlined reporting via dynamic Power BI dashboards, **cutting manual processing time by 14%**.
- **Consulting:** Collaborated closely with financial teams to translate business requirements into technical analytical specifications.

Paris Dauphine University – PSL

Junior Researcher – Non-Linear Dimension Reduction

Oct. 2024 – May 2025

Paris, France

- **Comparative Analysis:** Conducted an in-depth performance evaluation between Linear PCA and Kernel PCA on complex datasets.
- **Development:** Developed a Python library to automate the visualization of projections in latent space.
- Validation: Thesis defended before a jury and validated with **Highest Honors**.

DATA SCIENCE PROJECTS

Credit Risk: Challenger Model & Explainable AI (XAI)

Python, XGBoost, SHAP, Seaborn

2025

- **Challenger Strategy:** Developed an ML model (XGBoost) to challenge the existing scoring system. **Result:** Enhanced risk discrimination ("Magnifying Effect") visualized via density plots.
- **Explainable AI (XAI):** Interpreted model decisions using **SHAP** values (Shapley Additive Explanations) to ensure regulatory transparency.
- **Impact Analysis:** Constructed **Transition Matrices** to quantify client reclassification and identify "Quick Wins" (reliable clients undervalued by the old score).

GenAI Intelligent Assistant & RAG (Natixis Hackathon)

Python, LangChain, OpenAI, Vector DB

In Progress

- **RAG Architecture:** Engineered a system connecting LLMs to an internal knowledge base to retrieve proprietary information.
- **API Development:** Orchestrated pipelines using **LangChain** to generate accurate automated summaries.

Sentiment Analysis & Advanced NLP (IMDb)

Python, NLTK, Scikit-learn

Feb. 2025

- **ETL Pipeline:** Processed textual data (Lemmatization, TF-IDF) and implemented Bag-of-Words vectorization.
- **Performance:** Optimized an SVM model (Kernel PCA) achieving an **AUC of 0.93** (surpassing linear baselines).

Customer Segmentation & Decision Dashboard

R, K-Means, Shiny

Nov. 2025

- **Clustering:** Identified behavioral clusters among 2200 clients using K-Means and DBSCAN.
- **Deployment:** Developed an **R Shiny** application for interactive visualization of segments by the marketing team.

EDUCATION

Paris Dauphine University – PSL

Master 2 in Statistical & Financial Engineering – Data Science Track

Sept. 2025 – Present

Paris, France

- **Key Courses:** GenAI for Business, Deep Learning, NLP, Reinforcement Learning, Cybersecurity, Data Quality, Climate Risk Modeling, Data Visualization, Learning Theory.

Paris Dauphine University – PSL

Master 1 in Applied Mathematics – Major in Statistics

Sept. 2024 – June 2025

Paris, France

- **Courses:** Statistical Learning, Generalized Linear Models, Stochastic Processes, Optimization, Jump Processes.

University of Strasbourg

Bachelor's Degree in Applied Mathematics

Sept. 2021 – June 2024

Strasbourg, France

- Generalist training in modeling and scientific computing. Ranked in the **Top 2%** of the class.

LANGUAGES & INTERESTS

Languages: French & Arabic (Native), **English (C1 - Fluent)**.

Soft Skills: Critical Thinking, Teamwork, Adaptability, Curiosity, Technical Communication.

Interests: Tech Watch (LLM Papers with Code), Geopolitics, Traveling (USA, UAE, Turkey).