

Ibrahima DIAO

Data Scientist — gen AI enthusiast

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Summary

Dynamic Data Scientist with extensive experience implementing cutting-edge solutions, particularly in customer support optimization through machine learning and graph-based technologies. Over two years hands-on experience with GraphRAG at Orange Business and RAG solutions at TW3 Partners. Proven ability to collaborate with international teams. Strong educational foundation in AI and Data Science from prestigious Université Paris Dauphine.

Work Experience

Data Scientist - Orange Business, La Défense

09/2024 – Present

- Implemented GraphRAG solution to enhance customer support efficiency using LLM and graph-based retrieval
- Contributed to machine learning projects enhancing data-driven decision-making
- Optimised KPI's visualisations using Power BI
- Collaborated with international teams to align strategies and outcomes

Generative AI Developer - TW3 Partners, Paris

06/2024 – 09/2024

- Trained embedding models to improve generative application accuracy
- Deployed RAG solution streamlining data retrieval and utilisation
- Developed evaluation pipelines to assess model performance and metrics

Secretary General - Association Étudiante, Paris Dauphine

06/2023 – 06/2024

- Coordinated meetings and assemblies for organisational objectives
- Prepared meeting minutes and managed internal communications
- Archived official documents ensuring proper record-keeping

Education

Master Intelligence Artificielle, Systèmes, Données

09/2023 – Present

Université Paris Dauphine—PSL

Algorithmic Programming, Graph Theory, Data Science, Database Systems, Cloud AI, Deep Learning, Reinforcement learning

Licence Informatique et mathématiques pour la décision et les données

09/2022 – 06/2023

Université Paris Dauphine—PSL

Statistical modelling, Critical thinking, Math for Data Science, Optimization, Game Theory

Skills

Data Science & AI: Machine Learning, Computer Vision, NLP, LLM, FineTuning, GraphRAG

Programming: Python, C++, JavaScript

ML/AI Frameworks: TensorFlow, PyTorch, scikit-learn, Keras

Cloud & DevOps: AWS, GCP, Docker, Git

Databases: PostgreSQL, Redis, MongoDB, Neo4j

Web Development: Django, React, REST API, Flask, HTML/CSS

Data Tools: Pandas, NumPy, Matplotlib, Seaborn, Jupyter

Soft Skills: Problem-solving • Team collaboration • AI ecosystem monitoring • Leadership

Languages

French (Native) **English** (Fluent) **Spanish** (Intermediate)

Personal Projects

- **AI Educational Platform:** Full-stack development using RAG, LLM, Django, React JS, Supabase
- **Q-learning Game AI:** Reinforcement learning agent for Nim game through self-play
- **Traffic Sign Classification:** CNN model using TensorFlow (GTSRB dataset)
- **E-commerce Prediction:** KNN classifier for online shopping purchase prediction

Certifications

CS50's AI with Python - Harvard (Aug 2022) **CS50's Web Programming** - Harvard (Aug-Sep 2022)