

Ramy Lazghab

ramy.lazghab@dauphine.eu | Ramy Lazghab (LinkedIn) | github.com/Rblaze23 | Portfolio

Profile

M.Sc. student in Big Data & AI (Université Paris Dauphine) specializing in Generative AI, NLP, and MLOps. Expertise in designing and deploying end-to-end AI solutions—from data engineering and advanced modeling to production. Seeking an AI Engineer internship to apply cutting-edge ML techniques in a global environment.

Education

Université Paris Dauphine M.Sc. Big Data & Artificial Intelligence <i>Relevant Coursework: Generative AI, Advanced Machine Learning, Deep Learning, NLP, Reinforcement Learning, Big Data Systems</i>	09/2024–09/2026 (Expected)
Faculty of Sciences of Tunis B.Sc. Computer Engineering	09/2021–06/2024

Technical Skills

Languages: Python (Expert), Java, C, R, JavaScript, SQL
AI/ML Frameworks: PyTorch, TensorFlow, Hugging Face, LangChain, scikit-learn, XGBoost, Time Series
MLOps & Cloud: Docker, Git, MLflow, Azure/GCP (Exposure), Streamlit
Data & Databases: Pandas, NumPy, Spark, PostgreSQL, Django REST

Experience

Software Developer Intern – Infinity Management • Engineered an NLP-based blended-learning platform, implementing sentiment analysis to personalize course unlocking and track learner engagement. • Designed and deployed the entire system using Docker containers and a robust React/Django REST architecture, ensuring high availability and scalability.	02/2024–06/2024
Web Developer Intern – Centre National d’Informatique (06/2023) Built a secure client-registration web app with PHP/HTML/CSS.	

Selected Projects

- **RAGenius** – LLM-powered research assistant for CSV/PDF analysis (RAG, LangChain, Qdrant). Optimized retrieval process to achieve 92% precision on complex question answering.
- **MoodSync (Hack for Good Winner)** – Real-time therapeutic assistant using deep learning for speech-emotion recognition. Implemented smart note-taking and IoT-driven ambient lighting control.
- **SportiQ** – AI sports-pose analysis with OpenCV & MediaPipe; integrated NLP for personalized performance feedback. Improved real-time correction latency by 40%.
- **ML Mini-Projects** – Developed high-performance models for Kaggle house-price regression (R^2 of 0.91 using XGBoost) and diabetes prediction (validation AUC of 0.88 using SVM).
- **Startup Investment Recommender** – Word2Vec-based NLP recommender system, trained on data scraped using Selenium for industry-specific analysis.

Achievements & Leadership

- Winner – Hack for Good (MoodSync AI mental-health platform).
- Global Competitor – IEEEExtreme 15.0 & 16.0 Programming Contest.
- Active Member of IEEE, ITLAB, AIESEC: led AI workshops, organized hackathons, and participated in international leadership programs.

Languages

English (Fluent – IELTS) | French (Professional)