

Abdellah KAISSARI

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Education

Ecole Centrale Lyon/Paris <i>Master of Engineering: (third year at Ecole Centrale Paris), Major: Applied Mathematics.</i>	Lyon, Paris, France 2017–2020
Ens Paris-Saclay <i>Master of Science: MVA Master, Major: Applied Mathematics.</i>	Paris, France 2019–2020
Lycée Moulay Youssef <i>Preparatory Program to prepare the entrance exam to the French Grandes Ecoles.</i>	Rabat, Morocco 2014–2017

Experience

Kyriba <i>Data Scientist</i>	Saint-Cloud, Île-de-France, France May 2021 - Present
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- Cash Flow Forecasting:
 - Implemented a quantile regression model for forecasting time series.
 - Developed a long-term forecasting model using Prophet.
 - Monitored model performance using various metrics.
- Invoice Payment-Date Forecasting:
 - Developed a machine learning model using Databricks' feature store to predict invoice payment dates, leveraging historical payment behavior for enhanced accuracy.
- Gen-AI Projects:
 - Developed a code assistant by fine-tuning an LLM using LoRA, customized to our specific codebase for improved coding support and efficiency.
 - Created a RAG-based chatbot to boost support team efficiency, leveraging internal documentation for precise response generation.
 - Developed a function-calling system that processes user prompts, selects the appropriate function, generates parameters, makes the function call, and formats the output as a plot or table.
- CI/CD Pipeline Optimization:
 - Led the development of a predictive machine learning model for CI/CD pipeline test efficiency, involving end-to-end pipeline design from data extraction to model deployment.
 - Leveraged code changes and historical test failure rates to forecast test failure probability.
 - Developed and integrated a FastAPI-based endpoint into our CI/CD process, deployed on AWS using ECR and EC2, enabling on-the-fly selection of critical tests post-commit and significantly improving testing efficiency.

Crédit Agricole CIB <i>Data Scientist Intern</i>	Montrouge, Île-de-France, France Jun. 2020 - Nov. 2020
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- Sentiment Analysis and Sector Classification Applied To Financial News:
 - Developed a BERT-based deep learning model for sentiment analysis and sector prediction on financial news, aiding in credit risk assessment.
 - Created a Streamlit dashboard for visualizing financial news sentiment trends over time by sector.

Certifications

Investment Management with Python and Machine Learning Specialization: EDHEC, in progress.
Machine Learning Engineering for Production (MLOps) Specialization: DeepLearning.AI, June 2024.
Generative AI with Large Language Models: DeepLearning.AI, Nov 2023.

Skills

Technical Skills: Python, SQL, Git, Databricks, AWS, Docker, CICD, JupyterLab.

Python Libraries: Pandas, Scikit-learn, Pytorch, TensorFlow, Transformers, PEFT, LangChain, LlamaIndex, Optuna, MLflow, Flask, FastAPI.

Soft Skills: Agile Methodology, Teamwork, Communication, Problem Solving.

Languages

Arabic: Native, **French:** Bilingual, **English:** Fluent

Interests

Formula 1, Travel, Tennis, Football, Video Games.