* BNP PARIBAS

Within the Climate Analytics & Alignment Team, I contributed to two key projects:

• Question Answering LLM Model for Annual Report Analysis

o Led the end-to-end development and deployment of a Question Answering LLM model using Mistral (7B parameters) to automate data extraction from company annual reports, reducing team workload by 30%.

o Utilized GROBID API for text extraction from PDFs and created a vector database for RAG with Langchain.

o Optimized model inference performance with techniques such as quantization, KV caching, and Flash attention.

o Deployed the model on a Streamlit web application for seamless user interaction.

• Energy Performance Prediction Model for Real Estate

o Developed and deployed a Machine Learning model to predict building energy performance labels, achieving 92% accuracy and saving €250k for BNP Paribas.

o Conducted unit tests, monitored model performance, and adhered to best software development practices during deployment.

o Automated the geocoding of building addresses using a FastAPI

o Deployed the model on a FastAPI web interface for end-users.

• Conducted technical interviews for candidates to grow C2A team and mentored several new hires.

* LCL Bank

Within the Data Factory’s AI team, I developed and deployed 4 Deep & Machine Learning models in production, following best practices in unit testing, model monitoring, and software development.

• Document Classification and Information Extraction

o Developed and deployed a CamemBERT deep learning modelfor automatic classification of client documents (e.g., ID cards, passports, Kbis) and extraction of key informations (e.g., surname, first name, date of birth, address) using Pytesseract.

o Processed over 20 million documentsfor classification and information extraction.

• Fraud Detection Model

o Built and deployed a fraud detection model using XGBoost and a FastAPI web interface, achieving an F1-score of 89% and saving €400k for LCL Bank.

o Extracted data using SAS and SQL Teradata, pre-processed it, and deployed the model on the internal cloud platform for real-time fraud detection.

• Client Review Classification & Sentiment Analysis (Awarded Best Innovative Project)

o Scraped client reviews from Google using Scrapy and Selenium, then classified them into satisfaction topics using an NLP model (CamemBERT).

o Developed and deployed an interactive Streamlit dashboard for visualizing client feedbacks.

• Credit Scoring Model

o Developed a CatBoost-based credit scoring model to predict clients’ probability of default.

o Performed data preprocessing and deployed the model on the Dataiku platform for accurate credit risk assessment.

* Internship

Developed and deployed a Deep Learning model on AWS to predict gas density from thermal images and estimate its pressure.

**Why do you want to work for iwoca?**

I want to work for Luminate because it is an innovative and dynamic company by providing fast and flexible solutions by unlocking access to the most essential, objective, and trustworthy data compiled from thousands of verified data sources.

**Why are you looking for a new job now?**

I believe the experience I’ve gained at my current company has provided me with a solid foundation, but I’m looking for new challenges that will help me grow further as a professional. This role offers opportunities for advancement that I find appealing.

I’ve learned a lot at my current job, but I’m looking for a new position where I can further develop my technical skills and gain experience in a different industry.

**MT de pass: Ana\_Test\_2!**