Kpodjro KPATOUKPA
Data Scientist

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Looking for a work-study program in Data Science. I have key skills including scoring and classification, word processing, development of advanced customer question management systems (chatbot), optimization of language models.

Start: September 2025 Duration: 1 year Rhythm: 3 days School/2 days then full time company from April.

PROFESSIONAL EXPERIENCE

03/2024 – 08/2024 Machine Learning Engineer, ATTIJARIWAFA BANK   Casablanca, Morocco

- Exact data from PDF files and text files by performing efficient image processing.
- Integrate text into the Chromadb database, optimizing semantic search.
- Develop an advanced RAG system for customer issues management (B2B).
- Refine the Mistral model (LLM) and evaluate the results against benchmarks.
- Set up two interfaces to facilitate the use of the chatbot and supervise according to 4 KPIs.

Technologies : Mistral 7b, Langchain, Python, Pytorch, Streamlit, NLP,Chromadb, MongoDB(NoSQL), Tesseract

08/2023 – 09/2023   Assistant Data scientist, MLView   Tanger, Maroc

- Perform exploratory analysis of marketing data in collaboration with the marketing team.
- Train a deep learning model to improve customer targeting in future campaigns.
- Optimize the LLAMA-2 Language Model (LLM) for generating custom callouts.
- Improve the prediction score by 23% through model optimization.

Technologies : Python, Langchain, LLAMA-2, NLP, Tensorflow, Sk-learn, SQL

Portfolio: https://kpatoukpakpodjro.github.io/

STUDIES

09/2024 – Present University of Paris Cité   Paris, France
Master's Degree, Machine Learning for Data Science

Reinforcement and graph learning, factorization and recommendation, unstructured data management, clustering, NL text mining, time series, mixed models.

10/2019 – 07/2024 Faculty of Science and Technology   Tangier, Morocco
Engineer, Software and Intelligent Systems

Machine Learning, Deep Learning, AI Methodology, Artificial Data Mining, Inferential Statistics, Multi-Agent Systems, Data Analysis, Decision Making System (BI).

TECHNICAL SKILLS

Machine Learning	Python, Java, R	Efficient collaborative work
Deep Learning	FastAPI, Stramlit	Adaptability
Statistics	SQL, NoSLQ	Spirit of synthesis and creation
Transformateurs	Spark (Big Data)	Creative Optimization
LLM, NLP, RLHF	Excel (TCD)	WebScraping: selenium
NLP	Data extraction	BeautifulSoup
RLHF	Data structuring	WebScraping: selenium
	Adaptability	Spirit of synthesis and creation

LANGUAGES	French (Mother tongue)	English (Professional)