MKH, Senior Data Scientist

Senior Data Scientist with 7 years of experience building and operationalizing machine learning models and Generative AI applications to solve complex business challenges.

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Skills

Programming: — *Python (Advanced), R(Intermediate), SQL (Intermediate), SAS(Basic),* **Framewroks:** — *Docker, Git, Dataiku, Databricks,* **Languages** — *Fluent in French and Arabic, Proficient in English(TOEIC 2016 :(805 / 990), Basic Spanish,* **Cloud** — *Google Cloud Professional Certified Data Engineer, AWS,* **Certificates** — *Machine Learning and Deep Learning Specialization certificates on Coursera by Andrew NG,* **Time series** — Data modeling, Disaggregation

Work Experience

LexisNexis, *AI Engineer - Freelance*   06/2023 — present | Paris, France
- **RAG System Development**: Develop and evaluate RAG system components.
- **Model Evaluation**: Conducting qualitative assessments to improve prompt outcomes and embedding quality.
- **Prompt Engineering**: Develop, test, and refine prompts for RAG use cases.

Applied skills: Python, Pytorch, Transformers, Spacy, Pandas, Scikit-Learn, OpenAI, LangChain, VectorDB

Ekimetrics, *Senior Data Scientist*   09/2022 — 06/2023 | Paris, France
- Marketing Mix Modeling (MMM) Project management
- Data science transformation(DST) : Help clients build their data roadmap

Applied skills: Project management, Excel, Python, problem analysis & solving
- NLP Research & Development
- Devloppe à RAG system using LLMs

Applied skills: LangChain, LLMs, Vector Databases, OpenAI

Epsilon France

Senior Data Scientist   01/2022 — 09/2022 | Paris, France
- Python trainer, participated in the preparation of a BigQuery training session
- Develop and write proposal answers to clients (pre-sales)
- Managed an intern on a Computer Vision project (OCR on invoices)
  - **Client Missions**
  - **BPCE Finanacement (Mar 2022 - July 2022)**
    - Migration of an **RFM customer segmentation** pipeline and **scoring models** from SAS to Dataiku
    - **Applied skills: SAS, Python, SQL(Oracle), Dataiku, PySpark**

Data Scientist   12/2018 — 01/2022 | Paris, France
- **Client Missions**
- **Engie, Smart Home team (Jan 2020-Nov 2021):** B2C product that optimize clients gas consumption:
  - Features definition, framing, validation with management
  - Data preparation from connected objects & Development of Time series forecasting algorithms
  - Deployment in production on AWS cloud & Data quality and model performance monitoring
  - **Applied skills: Python, Git, AWS, C3 IOT.**
- **HSBC Insurance (NLP)(Feb 2019-Nov 2019):** Detect Beneficiaries present in life insurance clauses
  - NER model on life insurance clauses to automatically detect names, date of birth, place of birth
  - Pipeline automation from input text to structured data insertion to database. **Applied skills: Python, spacy**.
- **Internal projects:**
  - Summarize **DANONE, Bledina** website Google analytics traffic data, customer segmentation.
  - Python scripting to automate data analysis and enrichment Pipelines of CRM data using iris INSEE data
  - Deploy Machine Learning models on google cloud.
  - **Applied skills: Python, streamlit, Google App Engine, Docker, Bash, BigQuery, Postgresql**

Allianz, *Data Scientist Intern | Big Data & AI team*   04/2017 — 10/2017 | Paris, France
Sentiment Analysis: Enhance customer service using NLP sentiment analysis | **Applied skills: Python, spacy, regex**

Education

Ecole Centrale Marseille   2017 — 2018 | Marseille, France
A highly selective French engineering school, Final year | **Applied mathematics** | **Major: Data Science**.

Ecole Centrale Casablanca   2015 — 2017 | Casablanca, Morocco
Multi-disciplinary engineering studies