

MAMADOU KANE

DATA ENGINEER | DATA SCIENTIST

With a master's degree in data science, I am looking for a permanent contract (CDI) or CDD as a data engineer / data scientist , with the intention of starting in October 2024.

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EDUCATION

Master: Data Exploration and Decision-Making (EID2)
Sorbonne Paris Nord University

📅 2022 -2024 📍 Paris, France

Courses: Machine learning, Deep Learning, Business Intelligence, etc.

Bachelor's degrees: Computer science
Sorbonne Paris Nord University

📅 2019-2022 📍 Paris, France

Courses: Software engineering, Mathematics, Statistics, Data analysis etc.

EXPERIENCE

Data scientist

FRANFINANCE

📅 April - September 2024 📍 Nanterre, France

- Analysis of existing data (structured and unstructured), implementation of incoming data flows
- Processing millions of lines of data
- Implementation of NLP techniques
- Building predictive model for bank loan recovery using Deep Learning
- Evaluation of scores

Tools: PyTorch, SAS, Polars, ETL, GitLab, Mlflow, etc.

Robotics programming & Data intern

MSN

📅 May - July 2022 📍 Paris, France

- Program the movement of a robotic arm which will help gain precision in carpal tunnel surgery
- In collaboration with a surgeon and M2 data scientist students.

Tools: Arduino, mechanics, Git, SCRUM, etc.

ACADEMIC & PERSONAL PROJECTS

Movie recommendation system & comparison of dimensionality reduction methods

Tools: Python (scikit-learn + Pandas ...) , PCA, LLE, LDA , NLP (TF-IDF)

Recommend a movie based on movies watched. This involves preprocessing the data, reducing dimensions, vectorizing text. 🐙 [View on Github](#)

Prediction of bank loan defaults

Tools: Classification: Python, Sklearn, Matplotlib, Numpy, Streamlit, joblib

Build a machine learning model that predicts whether a customer will default on the bank loan or not based on the characteristics provided.

Data Cleaning, Exploratory Data Analysis, Features Engineering, ML Models, Cross-validation, Optimization, Deployment 🐙 [View website](#) or [Github](#)

Data Engineering & Dashboard creation

Tools: SQL Server, MS AZURE, PySpark, Power BI, Databricks

Sales analysis. Data Ingestion, Data Transformation, Data Loading. Build KPI and create dashboard. 🐙 [View report](#) or [Github](#)

SKILLS

Hard skills

Programming Languages

Python Java C SQL
JavaScript R PL/SQL
HTML/CSS

Libraries

Numpy Matplotlib Pandas
Scikit-Learn Scipy Spacy
PySpark TensorFlow PyTorch
FastApi Airflow Kafka

Software engineering

React JS Git Docker etc

Database Management System

MySQL PostgreSQL Oracle
MongoDB

Cloud computing & Softwares

MS AZURE AWS SAS
Databricks

Expertise

Data understanding Data cleaning
Data preparation Data visualization
Data pipelines (ETL)
Dashboard creation
Build and deploy Machine learning models
Agile methodology

Soft Skills

Collaborative Good relationship
Autonomy Adaptability

LANGUAGES

French : Native
English : Professional

INTERESTS

Football
Gaming