NIAMA EDDARBALI

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SUMMARY

I am a Data science master's student, passionate about the world of AI and Data Science, and ready to bring my rising enthusiasm and my progressing skills up to good use when facing the data-driven challenges.

EDUCATION

Master in Data Science | Faculty of science Semlalia | Marrakech, Morocco | 2024

Fundamental licence in Computer Science and Applied Mathematics | Faculty of Science Semlalia | Marrakech, Morocco | 2021
- Ranked 3rd in my class

PROJECTS

CPUMedicalChatbot | https://github.com/lynnalis/CPUMedicalChatbot/tree/main | October 2023 -November 2023
- Developed a sophisticated Medical Chatbot powerful open-source technologies.
- Implemented libraries such as Sentence Transformers for embeddings, Faiss CPU for vector storage.
- Integrated the Large language model LLAMA2 with the Chainlit library for a conversational interface.
- Build the Knowledge base based on the 5 volumes of the Gale Encyclopaedia of Medicine.

Art Generation using Diffusion Models | https://github.com/lynnalis/Moroccan-interior-generator | April 2023 - June 2023
- Developed a web application based on a fine-tuned Stable Diffusion model that generates art that happens to be inspired by Moroccan culture's architecture, mostly "Riads".
- Utilized Python's and Hugging Face's libraries including Pytorch, Transformers, Diffusers and Accelerate for the model training, FastAPI, HTML, CSS & Javascript for the model deployment.
- Demonstrated proficient teamwork, time management, and project management skills throughout the whole working period.

Monitoring Lebanese migrants | https://github.com/lynnalis/Migrants-Monitoring-PowerBI | October 2022 - December 2022
- Developed a tool to monitor the movement of migrants. At a minimum, this involves enabling the tool to analyse the number of migrants by nationality, by department (localities) and to monitor its evolution over time.
- Utilized PowerBI for the data cleaning, visualisations and reporting.
- Demonstrated proficient time and project management skills throughout the whole process.

EXPERIENCE

Data Science Intern | MANAGEM GROUP | Marrakech, Morocco | April 2021 - June 2021
- Assisted in data collection, cleaning, storage and analysis for the optimized automation project of the COBALT material process, by acquiring its data generated by the automatons.
- Used the InfluxDB, Telegraf & Grafana Stack for reporting and visualization.
- Demonstrated proficient teamwork, time management, and project management skills throughout my professional experience.

CERTIFICATIONS

Machine Learning Specialization | Coursera Standford Online & DeepLearning.AI | 2023
- It provides a broad introduction to modern machine learning, including supervised learning (multiple linear regression, logistic regression, neural networks, and decision trees), unsupervised learning (clustering, dimensionality reduction, recommender systems), and some of the best practices used in Silicon Valley for artificial intelligence and machine learning innovation (evaluating and tuning models, taking a data-centric approach to improving performance, and more.)

Neural Network And Deep Learning | Coursera Standford Online & DeepLearning.AI | 2023
- It provides a solid understanding of the fundamental concepts of neural networks and deep learning, including grasping concepts such as feedforward and backpropagation, activation functions, loss functions, and optimization algorithms.

SKILLS

Scientific Computing: R, Python, C++, Java
Machine Learning: Regression, Classification, Clustering, Neural Networks
Deep Learning frameworks: Keras, Tensorflow, PyTorch
NLP frameworks: NLTK, Transformers, Gensim, Spacy
Big Data Ecosystem: Hadoop, Spark, MapReduce, SQL, Hiv
Business Intelligence tools: such as PowerBI, Tableau
Data Analysis and Visualization: Matplotlib, Seaborn, Pandas, NumPy
Database Management: MySQL, ORACLE