Offer

Junior Machine Learning Engineer (NLP & LLMs)

Location: Casablanca, Morocco (Hybrid)

Description:

We are seeking a passionate **Machine Learning Engineer** with a focus on **Natural Language Processing (NLP)** and **Large Language Models (LLMs)** to join our AI research team. You'll be contributing to building and optimizing transformer-based architectures and deploying smart document processing solutions.

Responsibilities:

- Design and develop NLP pipelines using **PyTorch**, **Transformers**, and **Hugging Face**.

- Fine-tune and optimize pre-trained models like **GPT-2**, **LLaMA**, or **BERT** for specific business use cases.

- Build scalable backend systems and APIs using **Python** and **Django**.

- Conduct sentiment analysis, text classification, and Q&A extraction from large unstructured datasets.

- Collaborate with data scientists to improve model performance and deployment using **Docker** and **Jupyter**.

- Contribute to AI infrastructure leveraging tools like **LangChain**, **Linux**, and **Git**.

Required Skills:

- 2+ years of hands-on experience in **Python**.

- Solid knowledge of **NLP**, **deep learning**, and **transformers**.

- Familiarity with **PyTorch**, **HuggingFace**, and model fine-tuning techniques.

- Strong understanding of **data preprocessing**, **tokenization**, and **embedding techniques**.

- Experience with containerization tools (**Docker**) and API deployment.

- Ability to work on Linux environments and version control systems like **Git**.

Preferred Qualifications:

- Previous experience in **real-time systems** such as facial recognition.

- Knowledge in **OpenCV**, **KNN**, or image classification is a plus.

- Experience contributing to open-source ML projects or GitHub portfolio.