🤖 Machine Learning Engineer Internship (PFA) at MediaCaris

📍 *Location: Remote or Hybrid (Tangier)*
📅 *Duration: 2–3 months | Full-time (35h/week)*

Full Job Description

MediaCaris is developing an intelligent **AI-powered chatbot** based on OpenAI models, designed to assist users with mobility-related services in higher education. We're looking for a **Machine Learning Engineer Intern** to help us enhance the chatbot's capabilities, fine-tune ML models, and build intelligent workflows to improve user interaction and automation.

This is an exciting opportunity to work at the intersection of **natural language processing (NLP)**, **machine learning**, and **user experience design**, contributing to a meaningful EdTech solution.

Your Opportunity

Are you passionate about AI, large language models, and solving real-world problems with code? As a **Machine Learning Intern**, you will play a key role in designing and refining a conversational AI assistant built on OpenAI and other ML frameworks.

You'll collaborate with developers, designers, and product managers to build smarter, more intuitive conversational experiences.

Essential Duties and Responsibilities

AI & ML Engineering Support:

- Fine-tune and evaluate language models (GPT, LLaMA, etc.) for education-related queries

- Design conversational flows and system prompts for chatbot performance

- Collect and preprocess datasets for model training and evaluation

- Integrate APIs from OpenAI and other NLP tools

- Collaborate on the development of features like context memory, multi-language support, or smart intent detection

- Run experiments, evaluate model performance, and suggest improvements

- Monitor chatbot interactions and analyze errors or gaps in understanding

- Document workflows, use cases, and findings for reproducibility

Essential Qualifications

- Currently enrolled in or recent graduate of a degree in **Machine Learning, AI, Data Science, Computer Science**, or a related field

- Strong knowledge of **Python** and ML libraries such as **scikit-learn, TensorFlow, PyTorch, or LangChain**

- Familiarity with **LLMs**, **prompt engineering**, and **OpenAI API**

- Solid understanding of **NLP concepts** (tokenization, embeddings, transformers, etc.)

- Ability to work independently, meet deadlines, and manage experiments

- Excellent problem-solving skills and attention to detail

- Passionate about ethical AI, education, and building impactful tech solutions

- Bonus: experience with **FastAPI**, **Vector Databases (e.g. Pinecone)**, or **LangChain** frameworks

What You'll Gain

- Practical experience working on real-world LLM applications

- Opportunity to contribute to an AI-based product with social impact

- Exposure to OpenAI technologies and scalable ML practices

- A collaborative team environment with mentorship

- Certificate of internship and professional recommendation upon successful completion

✉️ How to Apply

Send your **CV + GitHub or technical portfolio (if available)** to:
✉️ **contact@mediacaris.com**
Subject line: **ML Engineer Internship – Your Name**