

Khaled Abdallah

AI engineer

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Summary

Experienced AI and Machine Learning Engineer with 1+ years of expertise in fine-tuning and deploying Hugging Face models, building LLM-powered chatbots, and developing RAG-based solutions for custom business applications. Proficient in NLP tasks using the Transformers library, image classification with TensorFlow and CNNs, and leveraging pre-trained models for computer vision. Skilled in deploying machine learning models into production, including Hugging Face spaces and web platforms.

Experience

Forward Mena | Remote

Data Analytics intern | 03/2024 – 09/2024

- Analyzed 100K+ record datasets using Pandas, NumPy, and SQL, generating insights that boosted client ROI by 10%
- Designed interactive dashboards in Tableau and Excel, enabling 50+ stakeholders to access real-time insights and reducing reporting time by 30%

Hexapi | Remote

AI Development Workshop | 06/2024 – 08/2024

- Developed 10+ machine learning models in Scikit-Learn, TensorFlow, and PyTorch with an average accuracy of 95%, deploying 3 into production applications
- Architected and deployed an LLM-powered chatbot using LangChain and Hugging Face, achieving 95% user satisfaction, supporting 1,000+ daily users, and reducing support tickets by 20%

AI Education Program | Remote

AI Engineer Trainee | 02/2023 – 03/2023

- Gained hands-on experience with pre-trained NLP models, CNNs, and RAG pipelines, focusing on real-world applications
- Learned industry-standard AI development workflows including model training, deployment, and version control using Git and Docker.

Skills

- ML/AI:** Hugging Face, LangChain, Chainlit, Scikit-Learn, TensorFlow, PyTorch
- NLP:** LLMs, RAG, GPT
- CV:** CNNs, Image Classification,
- Data Analytics:** Pandas, NumPy, Tableau, Excel, Statistical Analysis, Data Visualization
- DevOps & Infrastructure:** Docker, Docker Compose, Heroku, Hugging Face Spaces
- Databases:** PostgreSQL, MySQL, MongoDB
- Development Tools:** Git, Postman
- Languages:** Arabic(native), English(good)

Education

Institut Technique Dawssi-Akkar | Dawssi, LB

Bachelor's Degree in computer Science| 08/2022

Certificate

Python-based Data Analysis Certificate (freeCodeCamp)

Python-based Machine Learning Certificate (freeCodeCamp)

Machine Learning Specialization (Coursera)