

KHALED ABDALLAH

Lebanon,+96171966815,khaledab292001@gmail.com
https://github.com/Khaled2022abdallah
https://www.linkedin.com/in/khaled-abdallah-9a60b7237/
https://huggingface.co/KhaledAB2023

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

- 2024-03-2024-09

Internship in Data Analytics

Forward Mena

Data Analytics (Part Time)

Excel, SQL, and Python, Tableau

Languages and Technologies:

Business Analytics with Excel, SQL, Programming Basics and Data Analytics with Python and Data Analyst Capstone
- 2024-06-2024-08

AI Worshop

Hexapi

AI Engineer (Part Time)

- Developed and fine-tuned models using Hugging Face for NLP and image classification tasks
 - Built and deployed LLM-powered chatbots and Retrieval-Augmented Generation (RAG) solutions.
 - Deployed machine learning models to Hugging Face spaces and production websites.

Languages and Technologies:

Python, Hugging Face, TensorFlow, Keras, OpenCV, Scikit-Learn, Transformers, Chainlit, RAG
- 2023-02-2023-03

Education for AI Engineer

NuGenesis

AI Engineer

- Gained hands-on experience in utilizing AI models, updating configurations, and expanding knowledge in AI technologies.
 - Focused on model development, deployment, and learning industry-standard AI practices.

Languages and Technologies:

Python, TensorFlow, Keras, TensorFlow-Hub, OpenCV, Matplotlib, Scikit-Learn, chatterbot, Hugging Face, Rasa, FastAPI

Skills

Machine Learning:

- ✓ Chainlit & LangChain
- ✓ Scikit-Learn
- ✓ Rasa
- ✓ FastApi
- ✓ Hugging Face Models
- ✓ Large Language Models (LLMs)
- ✓ Retrieval-Augmented Generation (RAG)
- ✓ NLP with Transformers
- ✓ Convolutional Neural Networks (CNNs)
- ✓ Pre-trained Models
- ✓ Machine Learning Deployment

Data analytics:

- ✓ Data Wrangling and Cleaning
- ✓ Data Visualization
- ✓ Statistical Analysis
- ✓ Pandas and NumPy
- ✓ Exploratory Data Analysis (EDA)
- ✓ SQL and Database Management
- ✓ Machine Learning for Data Analysis
- ✓ Data Reporting

Projects

Topic classification

Role: Machine Learning
tensorflow, NLP, matplotlib, hugging face and Python technologies

- Topic classification is a fundamental task in Natural Language Processing (NLP).
- Created model to automatically classify text documents into specific categories using machine learning techniques.

Chainlit RAG PDF

Role: ChatterBot
Technologies include Python, LangChain, Chroma and ChatOpenAI.

- Extract and process PDF data .
- Generate embeddings and vector store.
- Deploy conversational retrieval chain.

ChatBot

Role: Back-end, Frond-end
Tensorflow, Keras, Nltk, Pickle , HuggingFace

- Trainig model for data.json
- Designed the box message's front-end and put every component on the screen.
- Creating the ChatBot

Education

2019 - 2022

Information technology license strategies The
Institute of Technique Dawssi Information
Technology, Dawssi-Akkar LT

Certificate

Python-based Data Analysis Certificate from freeCodeCamp
Python-based Machine Learning Certificate from freeCodeCamp
Machine Learning Specialization from Coursera

Languages

English

Arabic

Basic

Native