Fahd Labba

Software Developer | Machine Learning Enthusiast

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EDUCATION

Higher Institute of Applied Sciences and Technology of Sousse (ISSATSo) **Sousse, TN**
Software Engineering Degree 2022-Current
Relevant Coursework: Software Engineering; Operating Systems; Algorithms; System Design

Lycée Medenine **Medenine, TN**
Baccalaureate: Computer Science 2018-2022
Grade: 16.66 over 20
Relevant Coursework: Databases ; Computer Systems ; Mathematics ;

PERSONAL PROJECT

Ticka Chatbot
- A next-generation chatbot for the Ticka World platform, built using Mistral 7B V2, the powerhouse LLM!
- Using Retrieval-Augmented Generation (RAG) allows the chatbot to both generate responses and retrieve relevant information on demand.
- Implemented a Merge Retriever to improve response accuracy and context retention.
  Tech Stack: Python, Langchain, BeautifulSoup4, Torch, HuggingFace, FastAPI….

DocuBot
- DocuBot is an intelligent chatbot designed to help users manage and retrieve information from their PDF documents by asking questions.
- *Tech Stack: Python, Torch, Langchain, HuggingFace, Faiss*

JuriBOT
- JuriBOT is a tool that utilizes Optical Character Recognition (OCR) technology to automatically extract text from Arabic legal documents and then extract important information using Gemini.
- *Tech Stack: Python, Langchain, OpenCv, Matplotlib, Gemini, HuggingFace, Python, Streamlit…..*

Fake News Detection API
- An API capable of detecting whether the input news is fake. This API is based on a model I've trained on a dataset containing thousands of news articles.
- *Tech Stack : Fast APi - Sklearn -Docker ,nltk , NLP ,Pandas ,Numpy,Seaborn/Matplotlib ..*
- *Dataset source: Kaggle*

Gradient Descent Clearly Explained
- An article that explains Gradient Descent, which is the main core of Machine Learning, this article combines simplicity and all the technical things.

E-Commerce Api
- Node.js e-commerce API for streamlined product management and order processing. They are designed for scalability and seamless integration.
- *Tech Stack: Node js - JWT, Nodemailer, express.js, mongoose, MongoDB*

RELEVANT SKILLS AND OTHERS

- **Technical**: Python, Langchain, TensorFlow, HTML5 & CSS3, Keras, PyTorch, OpenCV, Pillow, NodeJS, C/C++, JavaScript.
- **Data:** MongoDB, Postgres, MYSQL
- **Tools:** Git & GitHub
- **Certificates**: Generative AI with Large Language Models by Deep Leaning.Ai

ACTIVITIES AND LEADERSHIP

Google Developer Student Clubs **Sousse**, TN
Ai Instructor Sep 2023 – Current
- Worked with a team of 25 passionate core team students and instructed 10 of them to become AI enthusiasts.

Google Developer Student Clubs **Sousse, TN**
EER (Events and External Relations Committee) *GDSC Platform* Dec 2022-Sep 2023
- I organized +20 successful tech events in-person and online, reaching +1200 attendees across the MENA Region.
- Certificate of Completion

WORKSHOPS AND CONFERENCES - HOSTED

- Introduction to AI IEEE-CS-INSAT(instructed over than 50 student) **Nov- 2023**
- Advanced Ai Workshop (Neural Network Fully Explained) **Dev Fest 2023** **Dec - 2023**
- ML Algorithms (Linear Regression, Logistic Regression ……) GDSC Core Team **Current**