Romani Nasrat Shawqi

AI/Ml Engineer

Egypt, Giza

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Summary

AI Engineer with +2 years' experience, earned BCS in artificial intelligence department from Benha University. With a strong foundation in **AI**, Specializing in **Generative AI** and (**LLMs**), I leverage **state-of-the-art** technologies such as **transformers**, **pretrained**, Hugging Face to develop and integrate advanced AI systems. My expertise allows me to create intelligent applications that utilize these cutting-edge techniques. In addition, I am self-taught in Python backend frameworks like Flask and Django. That enables me to deploy and integrate my models into web applications. I have successfully combined AI with web development to create intelligent solutions that incorporate features such as chatbots, image classification, speech recognition, article clustering, and object detection and classification.

Skills

Main skills:

- DL/ML development: **pytorch, tensorflow, keras, sklearn, numpy,Pandas, transformers,. Speech_recognition, cuda.**
- Tools & platforms**: hugging-face, MlFlow, Kaggle, vscode, Jupyter notebook. Anaconda.**
- Deploy models**: Django**, **flask, ReactJS Html**, **CS, bootstrap.**
- OpenAI, Gemini APIs
- Programming Languages: **python**, **Java**, **C++, JavaScript**

Extra Skills:

- **RESTful APIs**
- **MySQL**, **SQLite, PostgreSQL**
- Git/GitHub, Linux(**ubuntu**),
- SOLID, Algorithms, data structures, Problem Solving

Projects

Breast cancer diagnosis system:

- I develop websites that help doctors to easily classify patients of cancer using the Deep learning features.
- support registration and save patients info to help for analysis and future improvements.
- have 3 types of models for 3 different classifications based on, **Cancer** type, **Cancer** stage and **Density** percentage
- Developed with: **TensorFlow, keras.sklearn, Django, SQLite, CSS, JavaScript, rest APIs.**

Graduation project (Catch-the-AI)

Is a smart AI-detector system that can distinguish between media text o audio that generated by the AI

Our model works to capture patterns from data to final get our smart website

- functions in our system:
  1. Registration system
  2. Media type flexibility
  3. Admins dashboard
  4. User history
  5. Pricing plans
- Developed with:
  a. AI part we build deep learning models from scratch (**TensorFlow**, **keras**) and transformers (**hugging face**)
  b. Datasets from **Kaggle** and another sources
  c. Website: we build it using modern technologies like (**react.js**, **html5**, **css3** , **JavaScript**) and backend to deploy models and generate APIs we used **Django** framework

Work experience.

➢ **AI Engineer Freelancer**

Worked as a freelancer for **one year** on many platforms. I worked on many projects in as **AI Engineer**, as I build smart solutions that uses the features of **AI**, also a lot of models deployed it and integrated using RESTful APIs into a larger systems, platforms on it I work:

- **Freelancer.com, Khamsat , Mostaql.**

➢ ITI web development using **ReactJs** summer training.

I have learned the basics of React.Js how to build responsive websites and how to integrate APIS.

Skills:

1. HTML, CSS, JS, Bootstrap
2. Ract.JS
3. APIs

Education

BCS , Benha University   Sep. 2020 - July. 2024