HOSSAM FADIL

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in hossam-fadil   F-Hossam   Portfolio

PROFILE

Moroccan student in second-year computer science and data engineering at ENSA Khouribga with strong machine learning and software development skills. I am mastering tools like Python, Java, JavaScript, SQL, and various data science libraries with contributions to web and AI modeling projects.

EDUCATION

Computer science and data engineering   2021 - Now
National School of Applied Sciences, Khouribga

baccalaureate in physical sciences   2018 - 2021
Lycée Ibn Tofail, Oued Zem

PROJECTS

Questio (Pytorch, React-Native)   **Currently**

- Question-Answer System; DL model to answer user questions based on given text/document.
- Rely on NLP for understanding the text and questions.
- Topic dedicated system for great performance
- Leverage the LLama model for more humanized answers.

AI Vacation Planner (FastAPI, LangChain)   **Aug 2024**

- Helps users create personalized vacation plans based on their preferences and budget.
- Uses GPT technology to generate intelligent travel recommendations.
- Ensures that user actions and data are protected throughout the application with JWT.

GradeVault (SpringBoot, NextJS)   **Jan 2025**

- Allows administrators and teachers to efficiently manage student grades and track their absences)
- Separate interfaces for administrators and teachers, the application optimizes data access and simplifies school processes.)

Fetal Health Classification (Python, Jupyter)   **Oct 2024**

- Develops a ML model by the algorithm (Logisitc Regression)
- Uses a dataset mentioning 3 classes of fetals (Normal, Suspect, Pathological)
- The accuracy was (94% for N, 85% for S, 90% for P)

Laptops price prediction (Python, Jupyter)   **Jun 2024**

- Developed ML model using regression
- Done EDA after cleaning and transforming the dataset used with visualizations.

Breast Cancer Detection (Python, Jupyter)   Oct 2024

- Use SVM for classification (Malignant or Benign.)
- Do hyperparameter regularization for better accuracy

SKILLS

- **Programming Languages:** Python, Java, JavaScript, TypeScript, Html, Css, Dart, SQL

- **Technologies:** SpringBoot, Nextjs, Reactjs, Nodejs, FastApi, Flask, Flutter, LangChain, React-Native

- **Libraries:** Pandas, Numpy, Matplotlib, Seaborn, Plotly, SickitLearn, Scipy, openCV, BeautifulSoup, Selenium, LangChain, JavaFx, Pytorch

- **Databases:** MySQL, Postgres, SQL server

- **Data Science** : EDA, Data Cleaning, Data visualization, Model Evaluation, Model Development, Web Scraping, Deep Learning

- **Other:** Git, Docker, TailwindCss, Docker Swarm, Power BI

ADDITIONAL INFORMATIONS

- **Languages:** English, Frensh, Arabic

- **Certifications:** Data Analysis with Python (IBM)

- **Hobbies:** Video Editing, Motion Graphics, VFX, 3D Graphics