



Mini Projet : Deep Learning

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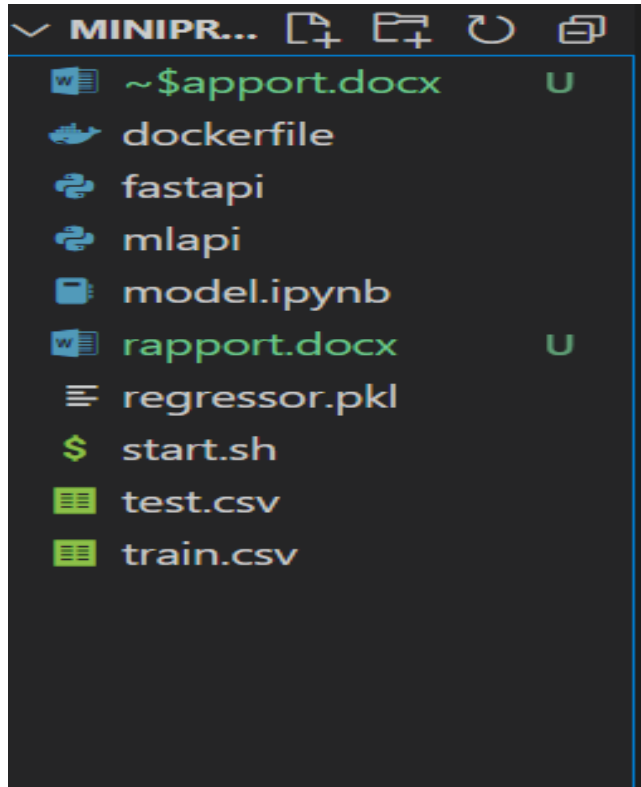
Sous encadrement de:
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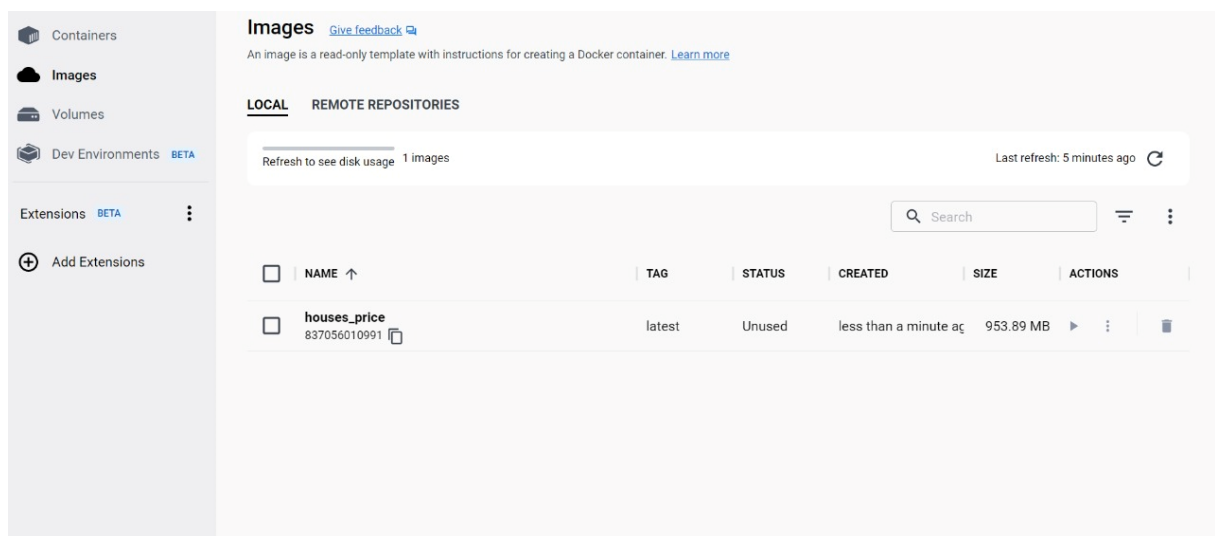
-Notre projet s'agit d'une régression linéaire pour la prédiction de prix d'une maison en donnant quelques caractéristiques.

-on choisi que 10 colonnes de la base de données pour entraîner le module pour le fichier pickle et le déploiement même si on a 81 colonnes.

-voilà les fichiers de projet :



Voilà l'image en docker desktop :



Et ici l'exécution de server fastapi :

```
/HP/Desktop/master/semestre 3/achak/miniprojet/mlapi"
INFO: Started server process [15288]
INFO: Waiting for application startup.
INFO: Application startup complete.
INFO: Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)
INFO: 127.0.0.1:60730 - "GET / HTTP/1.1" 200 OK
INFO: 127.0.0.1:60731 - "GET /predict HTTP/1.1" 422 Unprocessable Entity
INFO: 127.0.0.1:60732 - "GET /docs HTTP/1.1" 200 OK
INFO: 127.0.0.1:60732 - "GET /openapi.json HTTP/1.1" 200 OK
```

L'interface de fastapi :


The screenshot shows the FastAPI web interface in a browser. The address bar displays `127.0.0.1:8000/docs/#/predict`. The main content area is titled `GET /predict` and contains a 'Parameters' section with a table of input fields. Each field has a 'Name' and a 'Description' column. The fields are: `OverallQual` (string, required), `Total_Square_Feet` (string, required), `GrLivArea` (string, required), `GarageCars` (string, required), `Total_Bath` (string, required), `GarageArea` (string, required), `TotalBsmntSF` (string, required), `sFftSF` (string, required), `YrBuilt` (string, required), and `FullBath` (string, required). Each field has a corresponding input box with a value. At the bottom of the parameters section, there are 'Execute' and 'Clear' buttons. Below the parameters section, there is a 'Responses' section which is currently empty.

Et la résultat de prédiction :

The screenshot shows the server response details in a web application. The 'Server response' section is expanded, showing a 'Code' of 200 and a 'Details' section. The 'Response body' is displayed as a JSON array containing a single string: `["the price of this house is 13083.16 $"]`. The 'Response headers' section is also expanded, showing the following headers: `content-length: 41`, `content-type: application/json`, `date: Sun, 08 Jan 2023 13:14:47 GMT`, and `server: uvicorn`. At the bottom of the response details, there is a 'Responses' section which is currently empty.

Le submit de model en kaggle competition :

Input

▶  house-prices-advanced-regressic

Output (92KB / 19.5GB)

▼  /kaggle/working 
 Submission.csv

Submit to competition

 House Prices - Advanced
Regression Techniques

LATEST SCORE

-

BEST SCORE

-