

Activities Visual Studio Code Jan 25 16:35 Welcome - Visual Studio Code

File Edit Selection View Go Run Terminal Help

DOCKER

CONTAINERS

- Individual Cont...
- titanic-surviv...
- sha256:130c8...
- sha256:130c8...
- titanic-surviv...
- sha256:5c2b8...
- sha256:5c2b8...
- iris cool_clark...
- iris boring_ch...

IMAGES

REGISTRIES

NETWORKS

VOLUMES

CONTEXTS

HELP AND FEEDBACK

- Read Extension D...
- Watch Extension T...
- Get Started with D...
- Open Docker Ext...
- Review Issues
- Report Issue
- Docker Installation

Start

New File...

Walkthroughs

Get Started with VS Code

Customize your editor, learn the basics, and start coding.

PROBLEMS OUTPUT TERMINAL COMMENTS

TERMINAL

```
(mlops1) samara@hitloop:~/Desktop/mlops/Titanic_MLOps_Project$ python3 train.py
/usr/lib/python3/dist-packages/scipy/__init__.py:146: UserWarning: A NumPy version >=1.17.3 and <1.25.0 is required for this version of SciPy (detected version 1.26.4)
  warnings.warn(f"A NumPy version >={np_minversion} and <{np_maxversion}")
[I 2025-01-25 15:47:36,499] A new study created in memory with name: no-name-8b4c3d92-07b6-4d6f-b6eb-5e34b0f442ca
[I 2025-01-25 15:47:36,552] Trial 0 finished with value: 0.8379888268156425 and parameters: {'n_estimators': 79, 'max_depth': 13, 'min_samples_split': 2, 'min_samples_leaf': 3}. Best is trial 0 with value: 0.8379888268156425.
[I 2025-01-25 15:47:36,597] Trial 1 finished with value: 0.8435754189944135 and parameters: {'n_estimators': 64, 'max_depth': 12, 'min_samples_split': 5, 'min_samples_leaf': 1}. Best is trial 1 with value: 0.8435754189944135.
[I 2025-01-25 15:47:36,675] Trial 2 finished with value: 0.8156424581005587 and parameters: {'n_estimators': 125, 'max_depth': 18, 'min_samples_split': 10, 'min_samples_leaf': 4}. Best is trial 1 with value: 0.8435754189944135.
[I 2025-01-25 15:47:36,725] Trial 3 finished with value: 0.8547486033519553 and parameters: {'n_estimators': 70, 'max_depth': 18, 'min_samples_split': 8, 'min_samples_leaf': 1}. Best is trial 3 with value: 0.8547486033519553.
[I 2025-01-25 15:47:36,831] Trial 4 finished with value: 0.8212290502793296 and parameters: {'n_estimators': 143, 'max_depth': 13, 'min_samples_split': 9, 'min_samples_leaf': 3}. Best is trial 3 with value: 0.8547486033519553.
[I 2025-01-25 15:47:36,926] Trial 5 finished with value: 0.8156424581005587 and parameters: {'n_estimators': 124, 'max_depth': 17, 'min_samples_split': 4, 'min_samples_leaf': 4}. Best is trial 3 with value: 0.8547486033519553.
[I 2025-01-25 15:47:36,989] Trial 6 finished with value: 0.8435754189944135 and parameters: {'n_estimators': 73, 'max_depth': 13, 'min_samples_split': 5, 'min_samples_leaf': 1}. Best is trial 3 with value: 0.8547486033519553.
[I 2025-01-25 15:47:37,059] Trial 7 finished with value: 0.8268156424581006 and parameters: {'n_estimators': 84, 'max_depth': 12, 'min_samples_split': 7, 'min_samples_leaf': 3}. Best is trial 3 with value: 0.8547486033519553.
[I 2025-01-25 15:47:37,160] Trial 8 finished with value: 0.8379888268156425 and parameters: {'n_estimators': 130, 'max_depth': 12, 'min_samples_split': 2, 'min_samples_leaf': 3}. Best is trial 3 with value: 0.8547486033519553.
[I 2025-01-25 15:47:37,258] Trial 9 finished with value: 0.8379888268156425 and parameters: {'n_estimators': 124, 'max_depth': 9, 'min_samples_split': 3, 'min_samples_leaf': 1}. Best is trial 3 with value: 0.8547486033519553.
Best hyperparameters: {'n_estimators': 70, 'max_depth': 18, 'min_samples_split': 8, 'min_samples_leaf': 1}
Best Model Accuracy: 0.8547486033519553
(mlops1) samara@hitloop:~/Desktop/mlops/Titanic_MLOps_Project$ docker build -t titanic-survival-flask-docker-app .
[+] Building 63.3s (9/9) FINISHED
=> [internal] load build definition from Dockerfile
=> transferring dockerfile: 527B
=> [internal] load metadata for docker.io/library/python:3.9-slim
=> [internal] load .dockerignore
=> transferring context: 2B
=> [1/4] FROM docker.io/library/python:3.9-slim@sha256:bb8009c87ab96e751a1dd2c6c7f8abaae3d9fce8e072802d4a23c95594d16d84
=> [internal] load build context
=> transferring context: 977.48kB
=> CACHED [2/4] WORKDIR /app
=> [3/4] COPY . /app
=> [4/4] RUN pip install --no-cache-dir -r requirements.txt
=> exporting to image
=> exporting layers
=> writing image sha256:130c8677e163a49d55e65cd84d464b804bb1c636b3eadf8fa7a778c42a140685
=> naming to docker.io/library/titanic-survival-flask-docker-app

1 warning found (use docker --debug to expand):
```

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PROBLEMS OUTPUT TERMINAL COMMENTS

TERMINAL

```
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 612-883-989
^C^Z(mlops1) samara@hitloop:~/Desktop/mlops/Titanic_MLOps_Projedoctr build -t titanic-survival-flask-docker-app .
(mlops1) samara@hitloop:~/Desktop/mlops/Titanic_MLOps_Project$ docker build -t titanic-survival-flask-docker-app .
[+] Building 61.5s (9/9) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 527B
=> [internal] load metadata for docker.io/library/python:3.9-slim
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [1/4] FROM docker.io/library/python:3.9-slim@sha256:bb8009c87ab69e751a1dd2c6c7f8abaae3d9fce8e072802d4a23c95594d16d84
=> [internal] load build context
=> => transferring context: 21.83kB
=> CACHED [2/4] WORKDIR /app
=> [3/4] COPY . /app
=> [4/4] RUN pip install --no-cache-dir -r requirements.txt
=> exporting image
=> => exporting layers
=> => writing image sha256:698d0a13a6d48a45fbc13690972d652b6f7ddfee6ee9203383ada932807c8c01
=> => naming to docker.io/library/titanic-survival-flask-docker-app

1 warning found (use docker --debug to expand):
- LegacyKeyValueFormat: "ENV key=value" should be used instead of legacy "ENV key value" format (line 17)

What's next:
View a summary of image vulnerabilities and recommendations -> docker scout quickview
(mlops1) samara@hitloop:~/Desktop/mlops/Titanic_MLOps_Project$ docker run -p 5001:5001 titanic-survival-flask-docker-app
* Serving Flask app 'app'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5001
* Running on http://172.17.0.2:5001
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 612-883-989
172.17.0.1 - - [25/Jan/2025 10:28:30] "GET / HTTP/1.1" 200 -
172.17.0.1 - - [25/Jan/2025 10:28:30] "GET /static/background.jpg HTTP/1.1" 200 -
172.17.0.1 - - [25/Jan/2025 10:29:08] "POST /predict HTTP/1.1" 200 -
172.17.0.1 - - [25/Jan/2025 10:29:08] "GET /static/background.jpg HTTP/1.1" 304 -
172.17.0.1 - - [25/Jan/2025 10:29:39] "POST /predict HTTP/1.1" 200 -
172.17.0.1 - - [25/Jan/2025 10:29:56] "GET / HTTP/1.1" 200 -
172.17.0.1 - - [25/Jan/2025 10:31:25] "POST /predict HTTP/1.1" 200 -
172.17.0.1 - - [25/Jan/2025 10:33:17] "POST /predict HTTP/1.1" 200 -
172.17.0.1 - - [25/Jan/2025 10:34:06] "POST /predict HTTP/1.1" 200 -
```

docker:desktop-linux

	0.0s
	0.0s
	1.7s
	0.0s
	0.0s
	0.0s
	0.0s
	0.0s
	0.0s
	0.1s
	56.9s
	2.3s
	2.3s
	0.0s
	0.0s

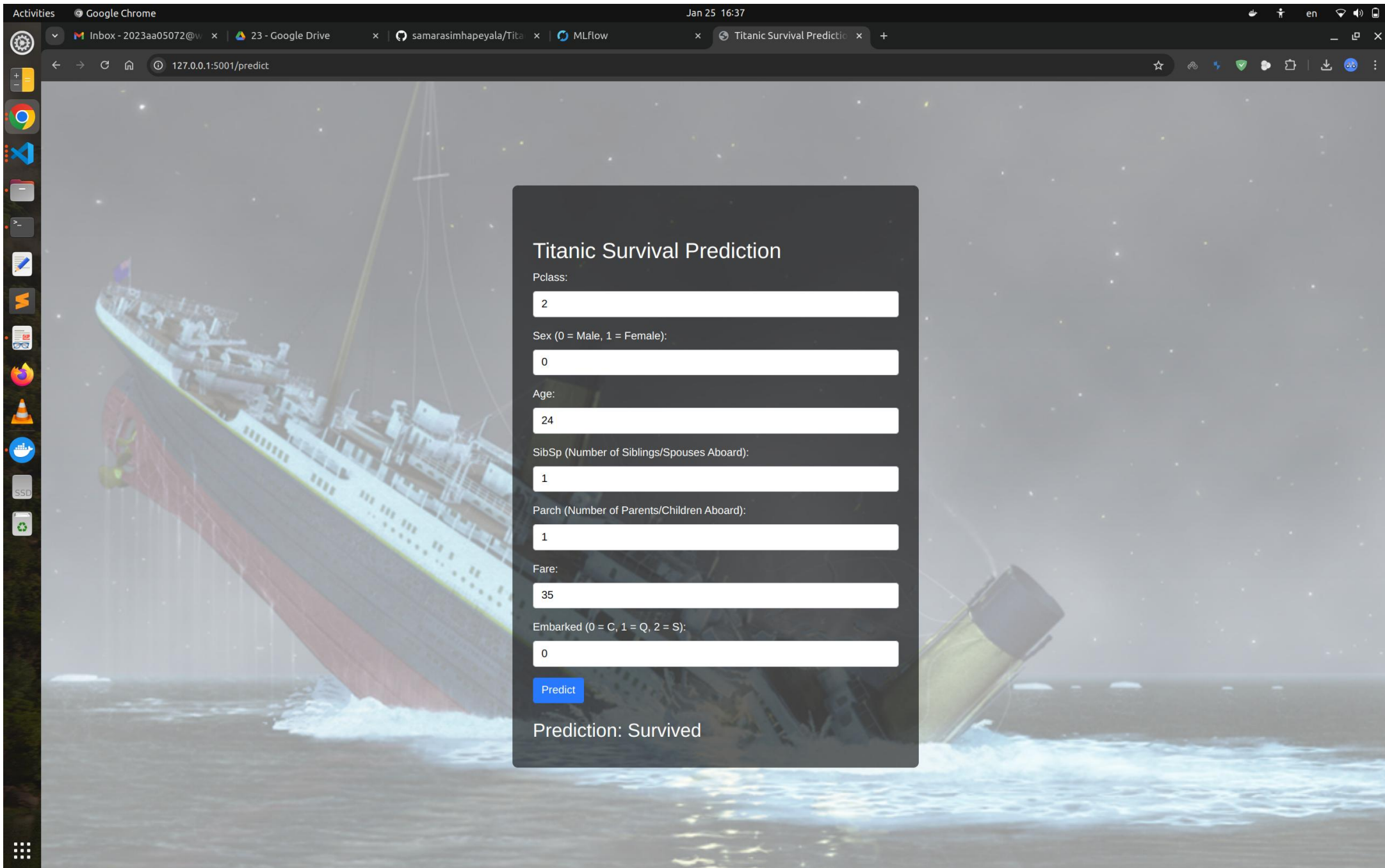
 Extensions

Hub

Last refresh: 22 minutes ago



Showing 6 items



Activities

Visual Studio Code

Jan 25 16:37

thunderclient.com/welcome - Visual Studio Code

File Edit Selection View Go Run Terminal Help

THUNDER CLI... TC thunderclient.com/welcome

New Request

Activity Collections En

filter activity

POST thunderclient... just now

POST 127.0.0.1:5000... 3 days ago

POST http://127.0.0.1:5001/predict Send

Query Headers 3 Auth Body 1 Tests Pre Run

JSON XML Text Form Form-encode GraphQL Binary

JSON Content Format

```
1 {
2   "Pclass": 3,
3   "Sex": 0,
4   "Age": 22,
5   "SibSp": 1,
6   "Parch": 0,
7   "Fare": 7.25,
8   "Embarked": 2
9 }
10
11
```

Status: 200 OK Size: 35 Bytes Time: 15 ms

Response Headers 5 Cookies Results Docs

```
1 {
2   "prediction": "Not Survived"
3 }
```

Copy

Response Chart