WIREFRAME DOCUMENTATION

Gesture Prediction using sensors

Written By	Prakhyath Bhandary
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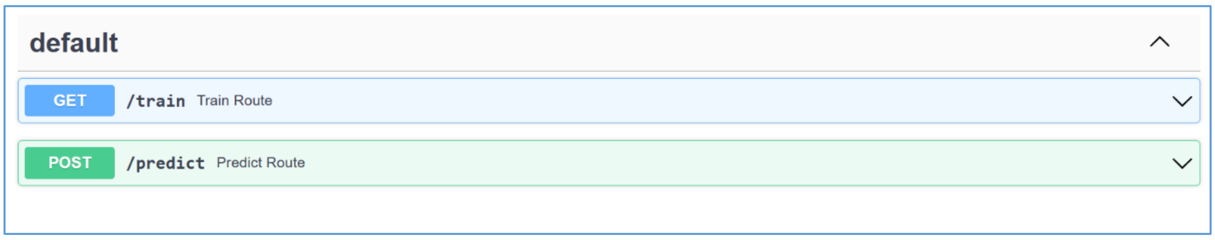
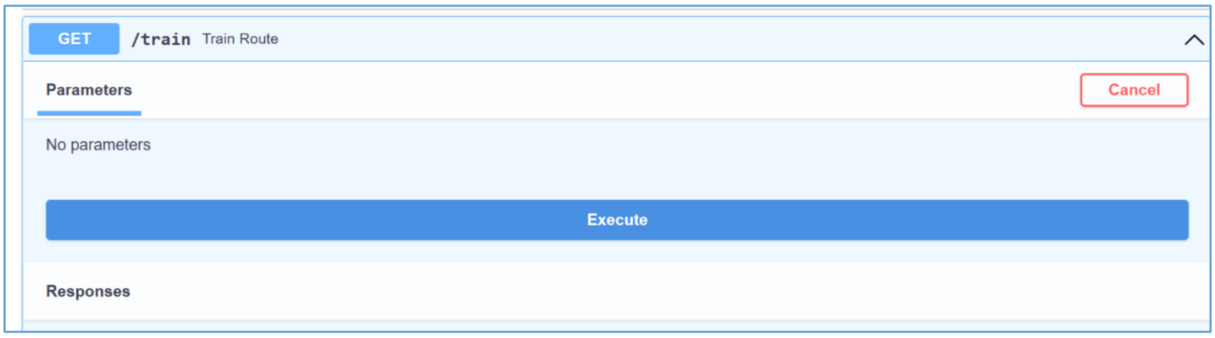
Home Page

Here home page is created using FastApi. Home page is divided into two routes: Predict route and train route



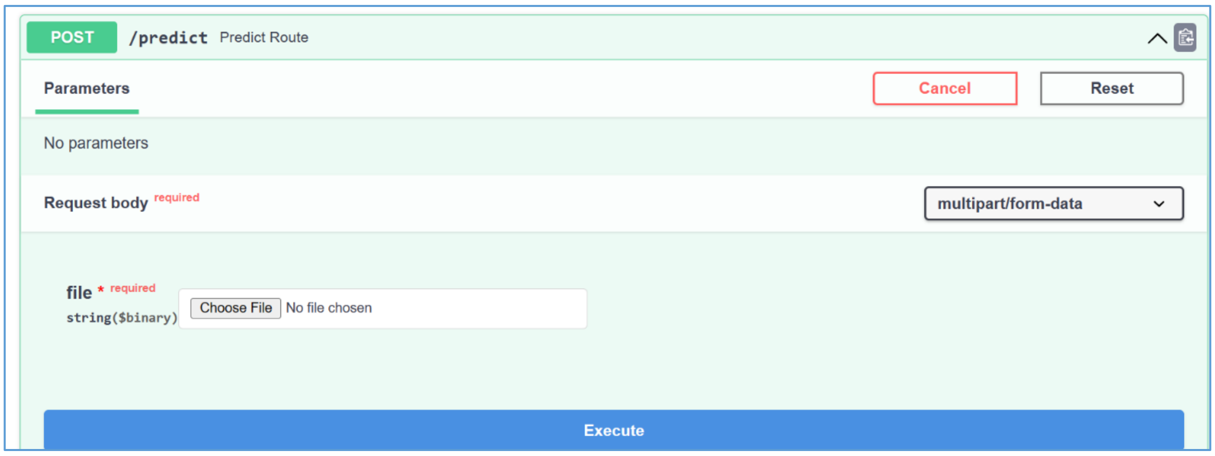
Train Route:

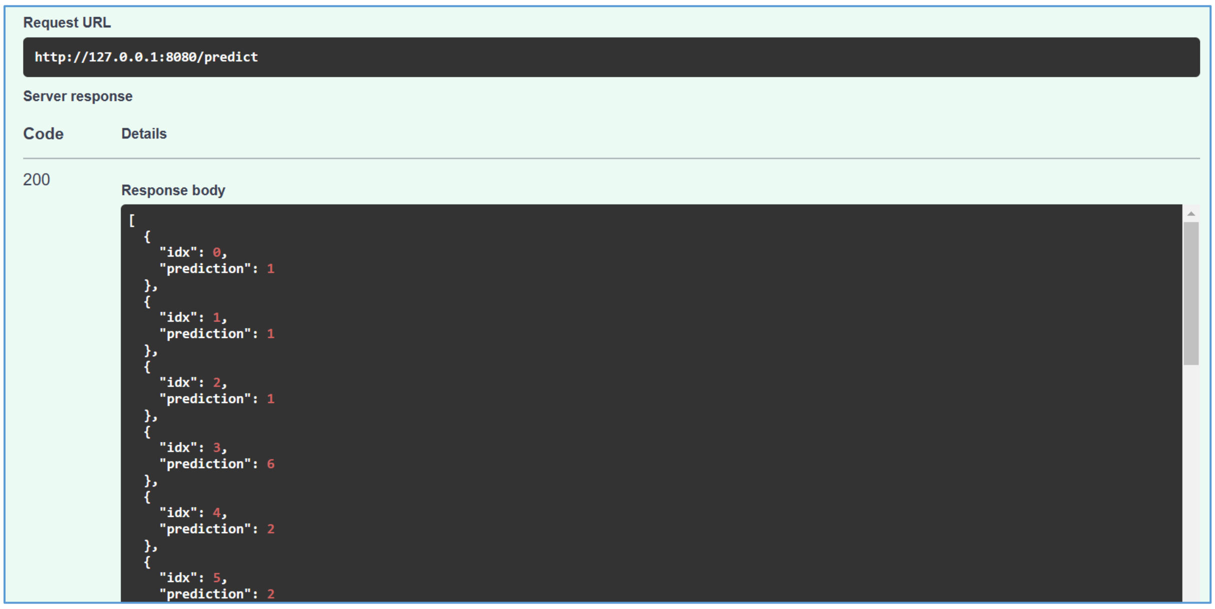
On clicking execute from train route, data is fetched from Cassandra and then ingested, validated, transformed and used for training the model. Then the model is evaluated and if the model performance is better compared to previous best model by a minimum chosen threshold value we push the model for production.



Predict Route:

On clicking the predict route there will be an option to upload a csv file with the necessary inputs and the prediction will be displayed back.





Request URL

```
http://127.0.0.1:8080/predict
```

Server response

Code Details

200 Response body

```
[
  {
    "idx": 0,
    "prediction": 1
  },
  {
    "idx": 1,
    "prediction": 1
  },
  {
    "idx": 2,
    "prediction": 1
  },
  {
    "idx": 3,
    "prediction": 6
  },
  {
    "idx": 4,
    "prediction": 2
  },
  {
    "idx": 5,
    "prediction": 2
```