# Train the model on IBM

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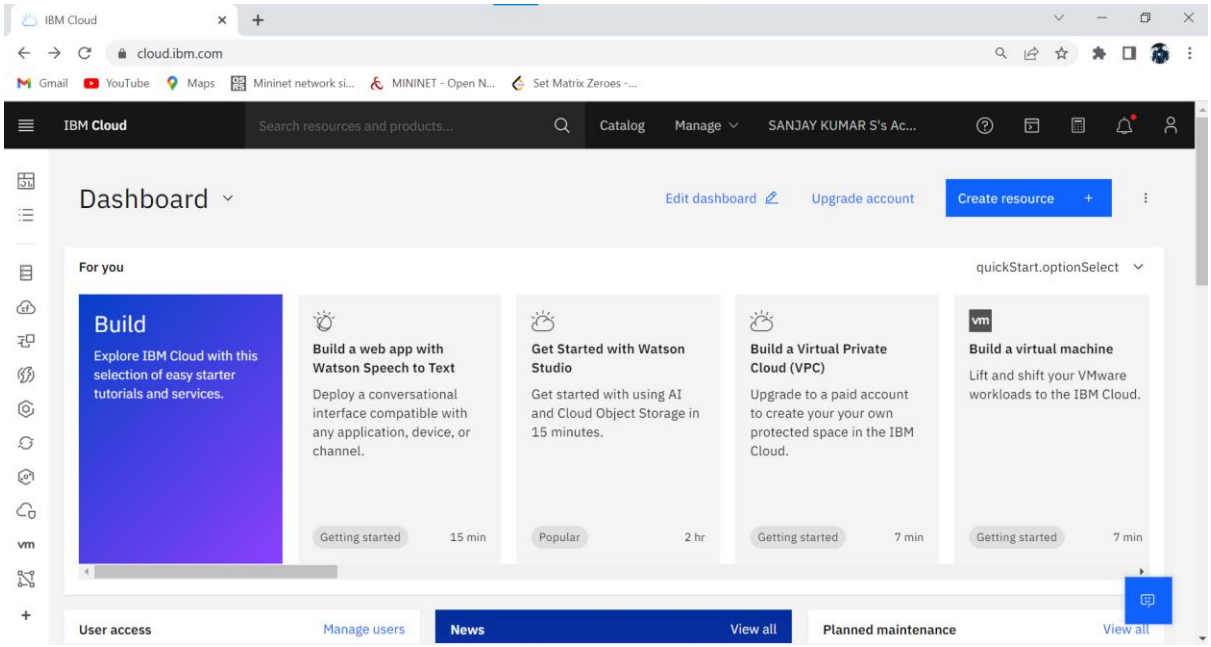
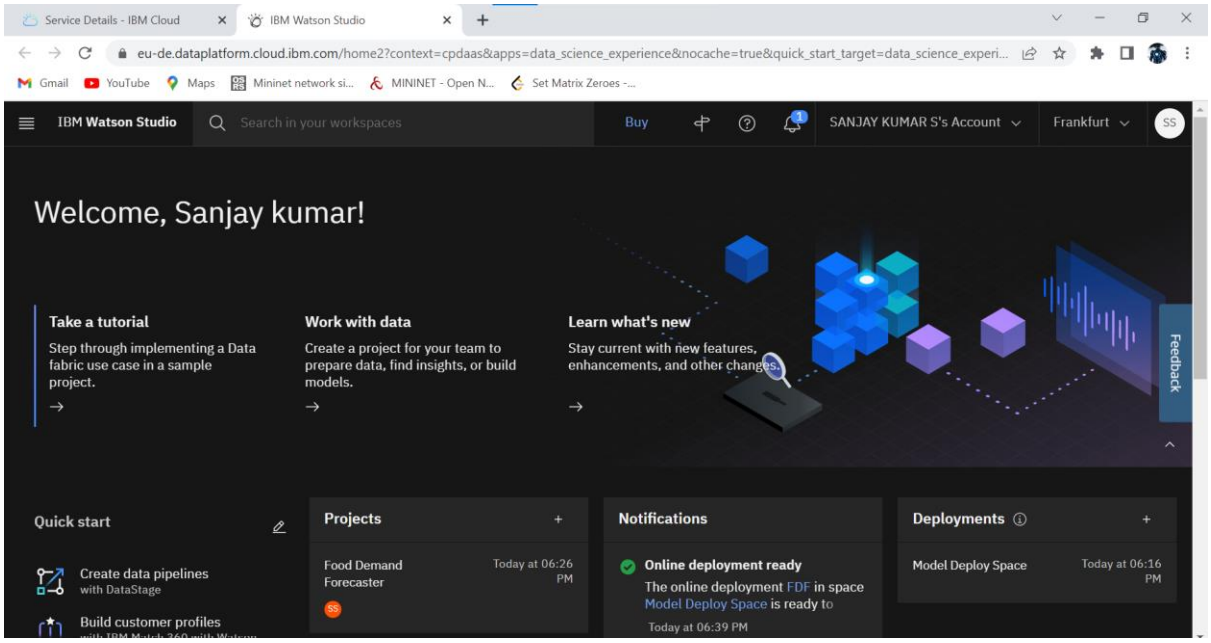
| Team ID | PNT2022TMID35762 |
| Project Name | DEMANDEST – AI POWERED FOOD DEMAND FORECASTER |

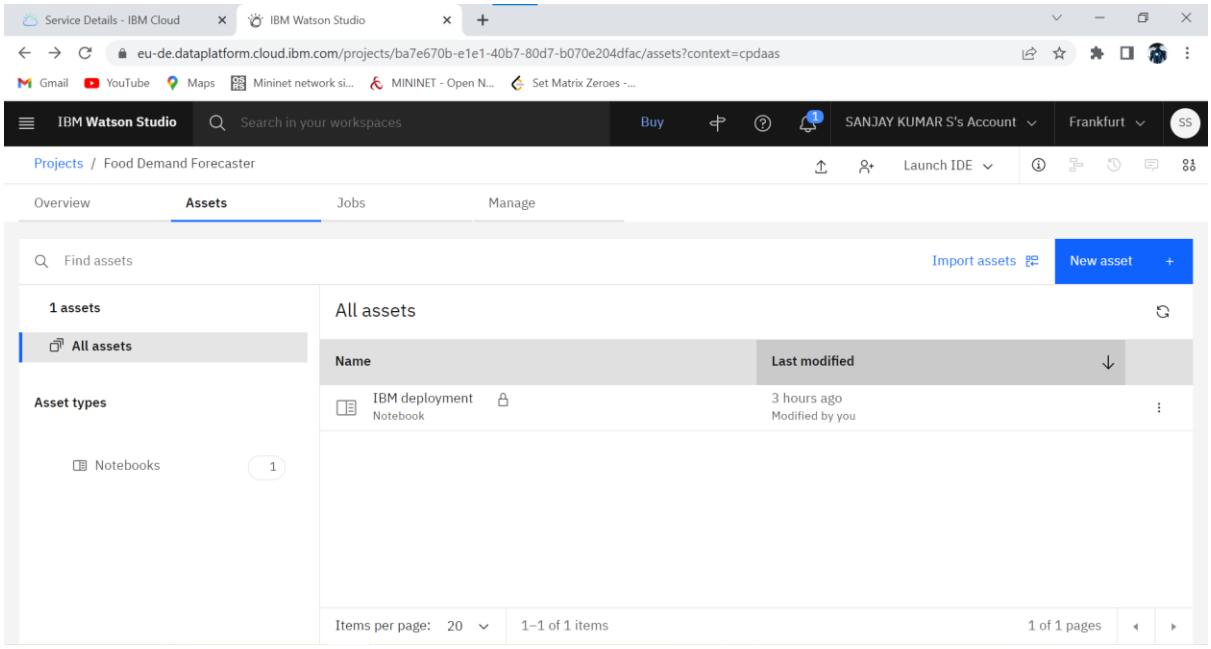
## IBM Cloud Dashboard:



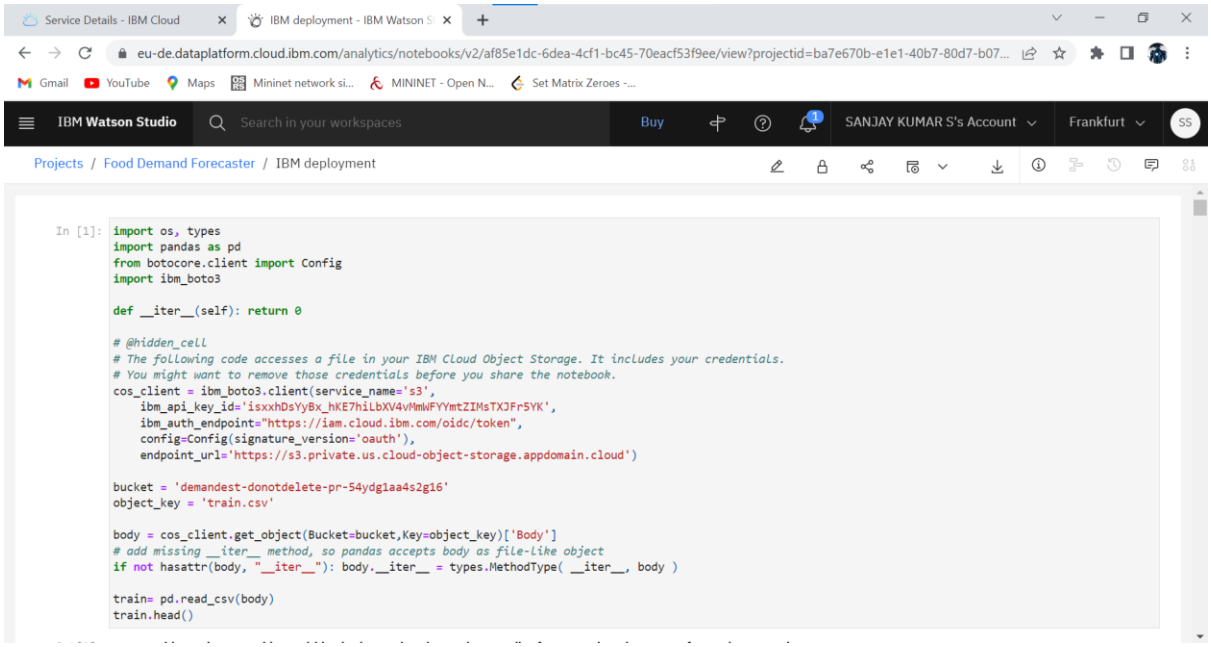

## IBM Watson Studio:



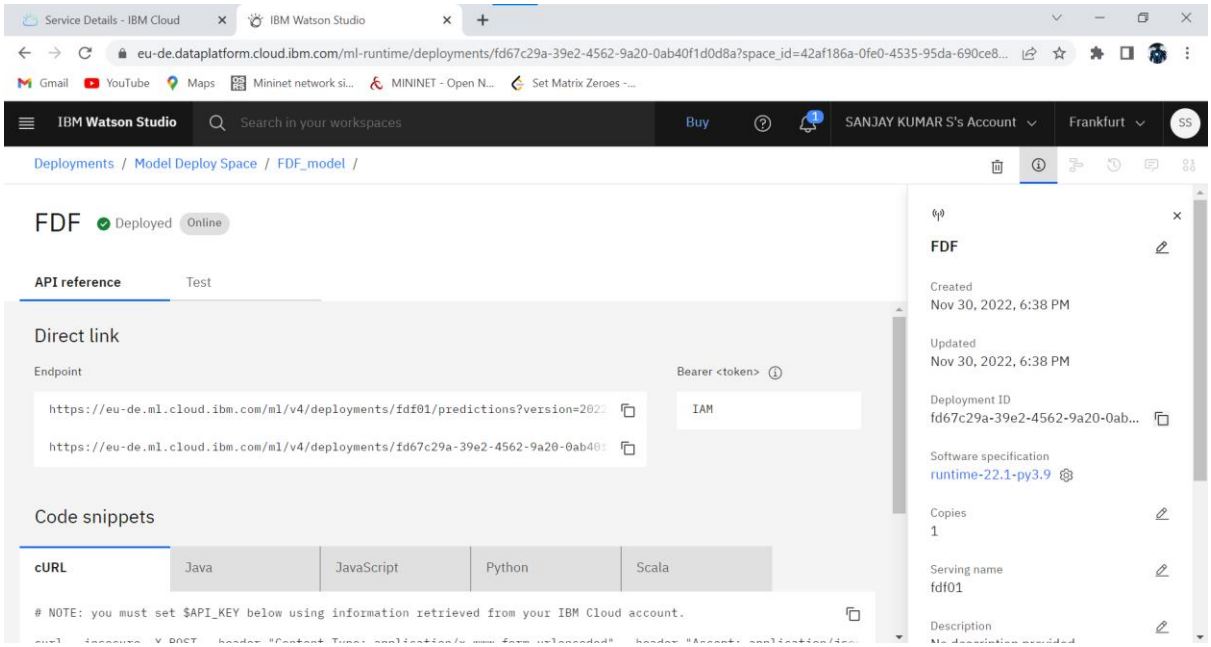
## Deployed Model:




## Deployed code:



## Deployment ID & Endpoint:




## app_ibm.py:

```
import pandas as pd

import numpy as np

import pickle

import os

import requests


API_KEY = "v3n6gq55C00788iHyYsU0cm1GG__LDIaxvhoZT6hB79m"

token_response = requests.post('https://iam.cloud.ibm.com/identity/token',
data={"apikey":

 API_KEY, "grant_type": 'urn:ibm:params:oauth:grant-type:apikey'})

mltoken = token_response.json()["access_token"]


header = {'Content-Type': 'application/json', 'Authorization': 'Bearer ' + mltoken}


from flask import Flask,request, render_template

app=Flask(__name__,template_folder="templates")

@app.route('/')
```

```
def index():
    return render_template('index.html')
@app.route('/index')
def about():
    return render_template('index.html')
@app.route('/index1')
def page():
    return render_template('predict.html',prediction_text=0)
@app.route('/predict', methods=['GET', 'POST'])
def predict():
    print("[INFO] loading model...")
    input_features = [float(x) for x in request.form.values()]
    print(input_features)
    features_value = [[np.array(input_features)]]
    print(features_value)


    payload_scoring = {"input_data":[{"field": [['homepage_featured',
'emailer_for_promotion', 'op_area', 'cuisine','city_code', 'region_code',
'category']],"values": [input_features]}]}
    response_scoring = requests.post('https://eu-
de.ml.cloud.ibm.com/ml/v4/deployments/fd67c29a-39e2-4562-9a20-
0ab40f1d0d8a/predictions?version=2022-11-30', json=payload_scoring,
    headers={'Authorization': 'Bearer ' + mltoken})
    prediction =response_scoring.json()
    print("dir(predict) :" ,dir(prediction))
    print(prediction)
    #print('Final Prediction Result',predictions['predictions'][0]['values'][0][0])
    output = prediction['predictions'][0]['values'][0][0]
    return render_template("predict.html", prediction_text=int(output))


if __name__ == '__main__':
      app.run(debug=False)
```