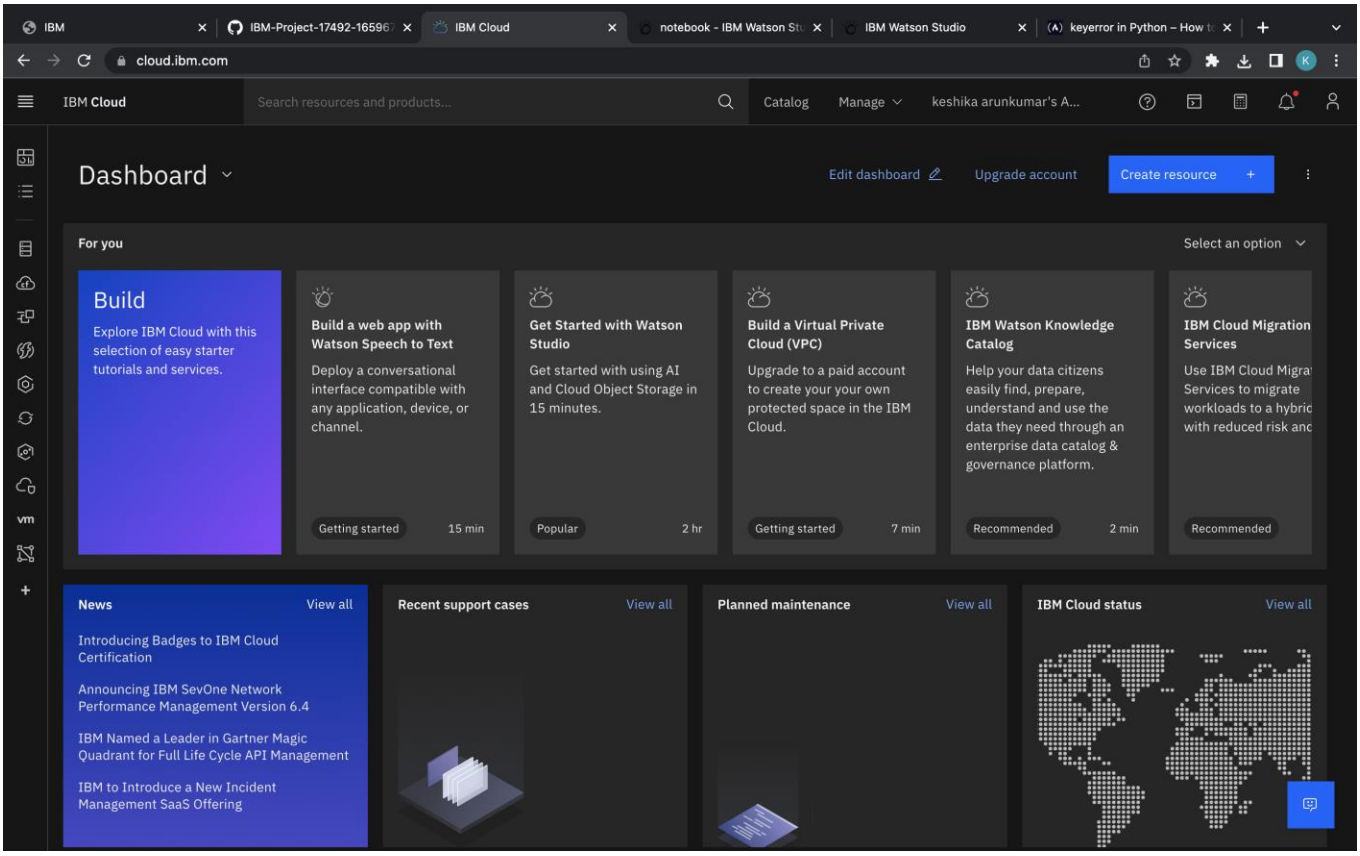
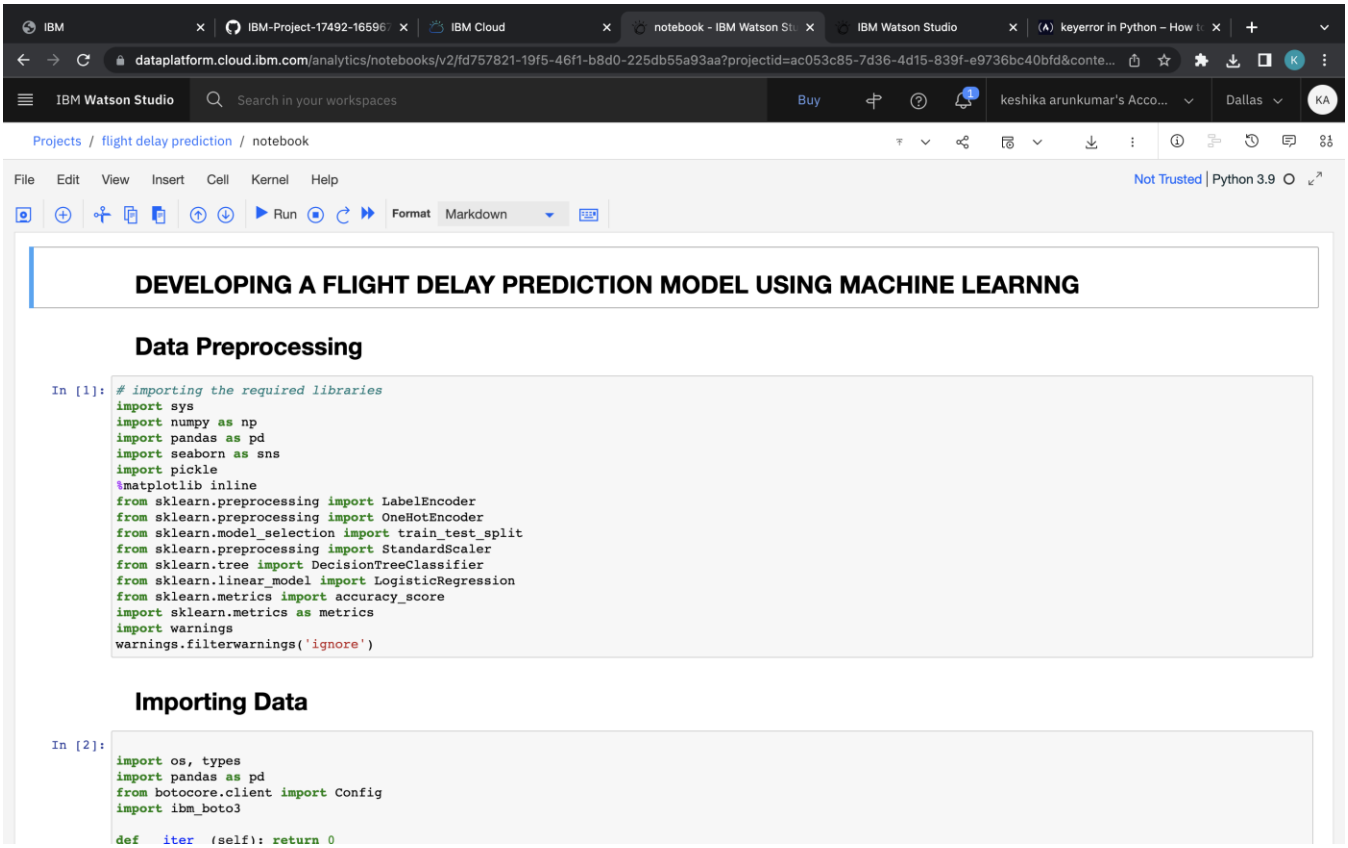
SCREENSHOTS

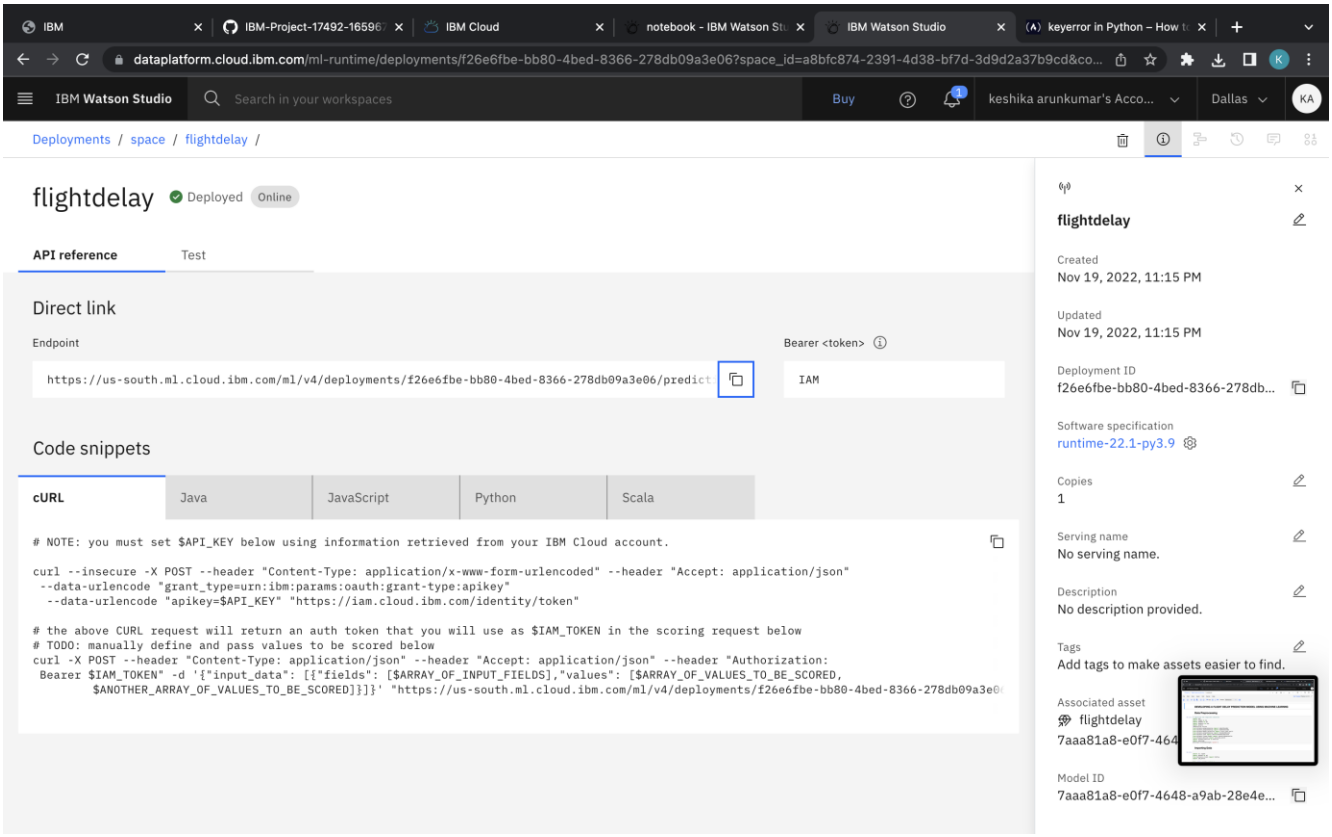
1. IBM cloud dashboard



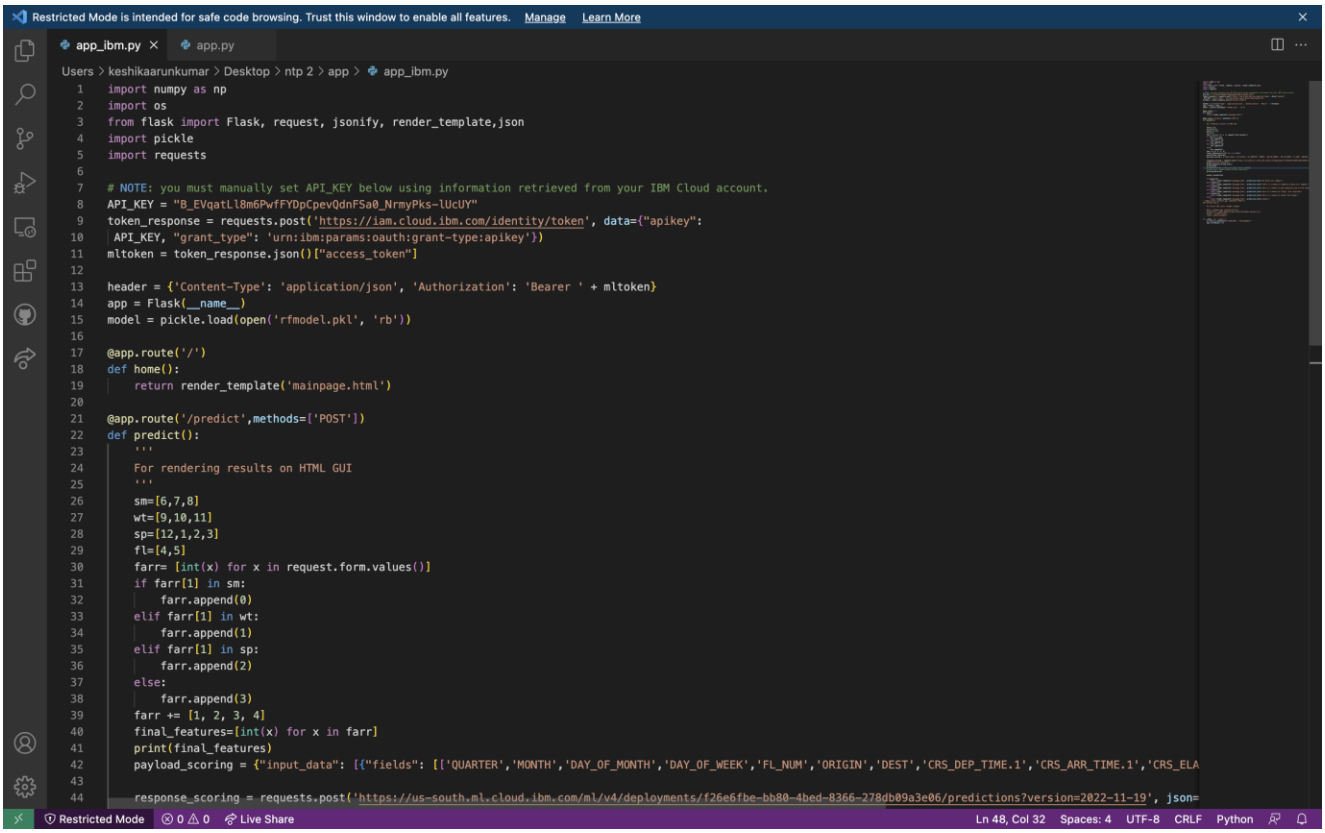
2. Notebook.ipynb (model training)



3. API key generation



4. IBM App deployment


Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
app_ibm.py
app.py
Users > keshikaarunkumar > Desktop > ntp 2 > app > app_ibm.py
import numpy as np
import os
from flask import Flask, request, jsonify, render_template,json
import pickle
import requests
# NOTE: you must manually set API_KEY below using information retrieved from your IBM Cloud account.
API_KEY = "B_EVqatLl8m6PwfFYDpCpevQdnFSa0_NrmyPks-lUcUY"
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}
app = Flask(__name__)
model = pickle.load(open('rfmodel.pkl', 'rb'))
@app.route('/')
def home():
return render_template('mainpage.html')
@app.route('/predict',methods=['POST'])
def predict():
'''
For rendering results on HTML GUI
'''
sm=[6,7,8]
wt=[9,10,11]
sp=[12,1,2,3]
fl=[4,5]
farr= [int(x) for x in request.form.values()]
if farr[1] in sm:
farr.append(0)
elif farr[1] in wt:
farr.append(1)
elif farr[1] in sp:
farr.append(2)
else:
farr.append(3)
farr += [1, 2, 3, 4]
final_features=[int(x) for x in farr]
print(final_features)
payload_scoring = {"input_data": [{"fields": [['QUARTER','MONTH','DAY_OF_MONTH','DAY_OF_WEEK','FL_NUM','ORIGIN','DEST','CRS_DEP_TIME.1','CRS_ARR_TIME.1','CRS_ELA
response_scoring = requests.post('https://us-south.ml.cloud.ibm.com/ml/v4/deployments/f26e6fbe-bb80-4bed-8366-278db09a3e06/predictions?version=2022-11-19', json=
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Python