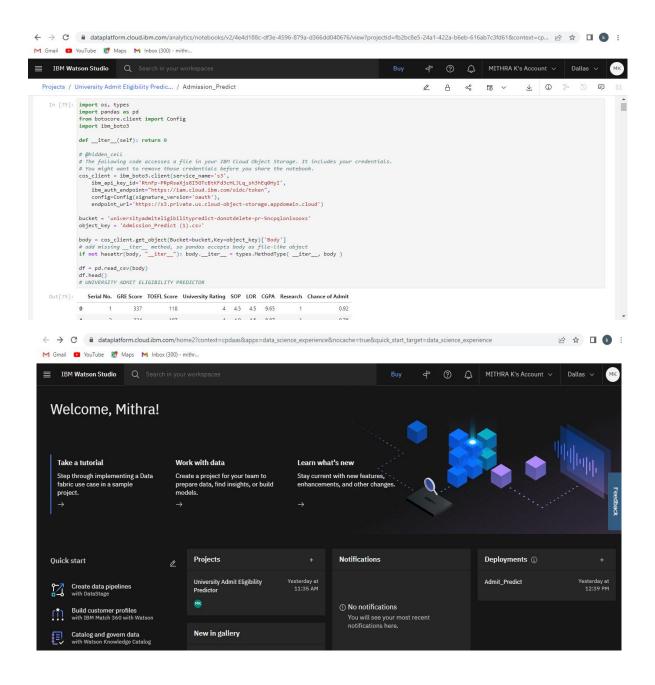
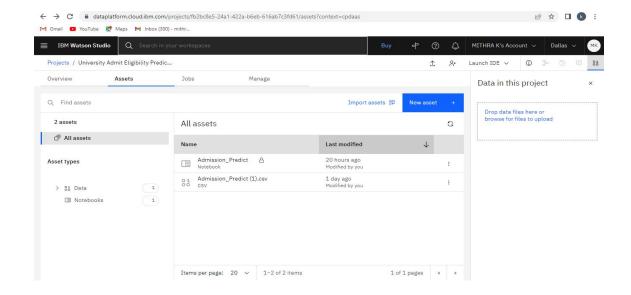
PROJECT DEVELOPMENT PHASE SPRINT – 4

IBM CLOUD DEPLOYMENT





IBM_APP.PY

import joblib

from flask import Flask, request, render_template

from math import ceil

import requests

NOTE: you must manually set API_KEY below using information retrieved from your IBM Cloud account.

```
API_KEY =
```

"ACsP3Bo6BnmCyRB166ImEMRM6P3BbdmHMeuQcxVBCMBw"

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}

 $app = Flask(\underline{\quad name\underline{\quad }})$

model = joblib.load("model.pkl")

```
@app.route('/')
def index():
return render_template('index.html')
@app.route('/predict',methods = ['GET','POST'])
def admin():
  gre=(eval(request.form["gre"])-290)/(340-290)
  tofl=(eval(request.form["tofl"])-92)/(120-92)
  rating=(eval(request.form["rating"])-1.0)/4.0
  sop=(float(request.form["sop"])-1.0)/4.0
  lor=(float(request.form["lor"])-1.0)/4.0
  cgpa=(float(request.form["cgpa"])-5.5)/(10-5.6)
  research=request.form["research"]
  if (research=="Yes"):
     research=1
  else:
     research=0
  array_of_input_fields = ['gre', 'tofl', 'rating', 'sop', 'lor', 'cgpa', 'research']
  array_of_values_to_be_scored = [gre, tofl, rating, sop, lor, cgpa, research]
  payload_scoring = {"input_data": [{"fields": [array_of_input_fields],
"values": [array_of_values_to_be_scored]}]}
  response_scoring = requests.post('https://us-
south.ml.cloud.ibm.com/ml/v4/deployments/8244ff58-07bb-481d-becc-
c4ad94411dc5/predictions?version=2022-11-18', json=payload_scoring,
headers={'Authorization': 'Bearer ' + mltoken})
  prediction = response_scoring.json()['predictions'][0]['values'][0][0]
  if (prediction > 0.5):
```

```
return render_template("chance.html",p=str(ceil(prediction *100)) +" %")
return render_template("nochance.html")

if __name__ == '__main__':
app.run(debug = True, port=5500)
```