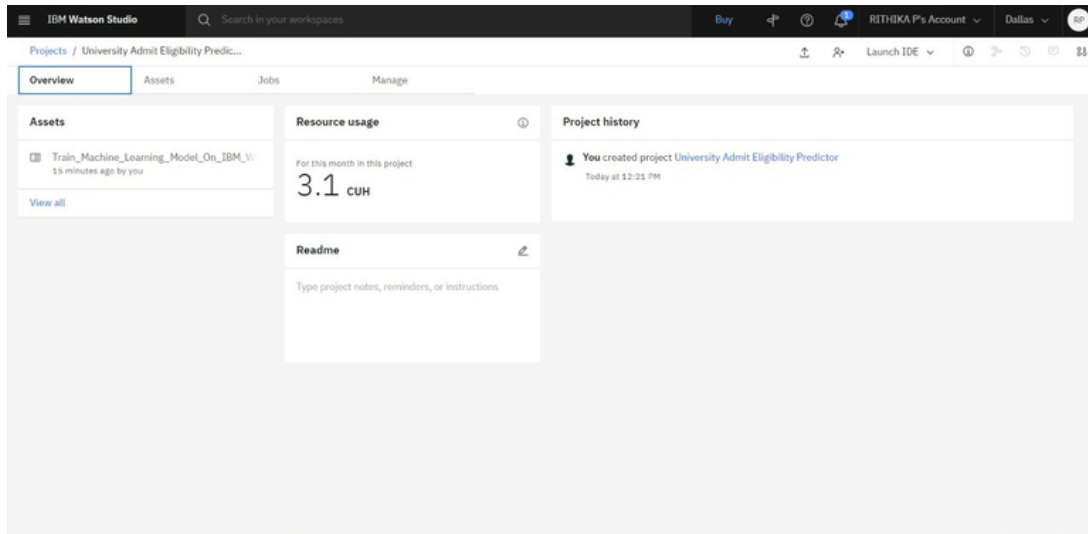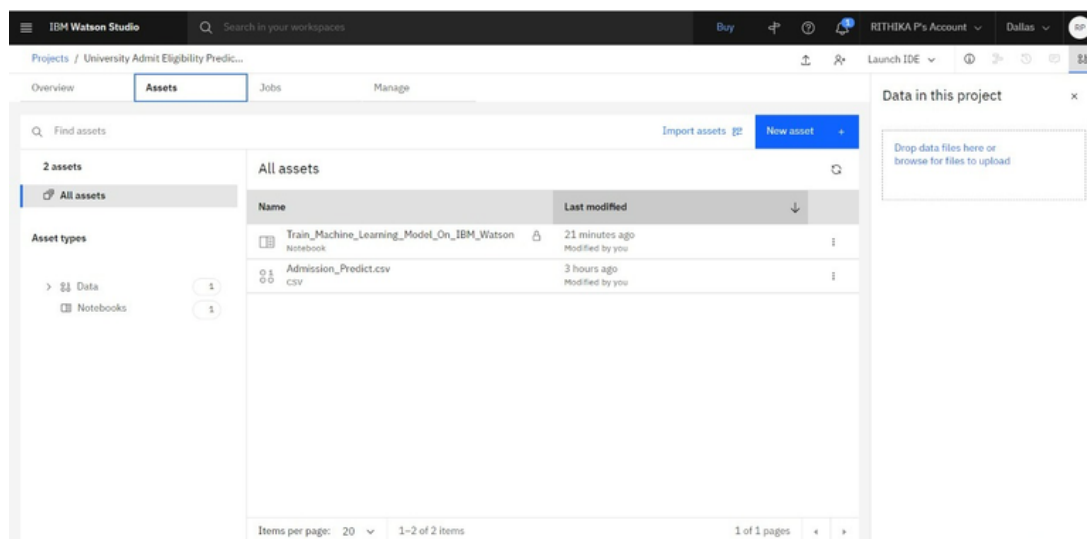# TRAINING ML MODEL ON IBM WATSON UNIVERSITY ADMIT ELIGIBILITY PREDICTOR

Team ID : PNT2022TMID20988
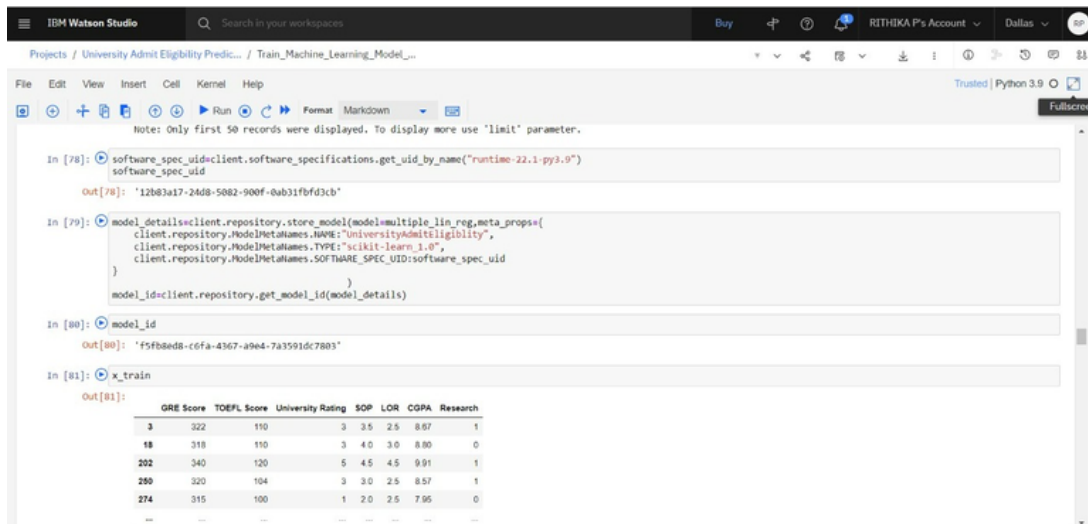
1.Setting up Watson studio for running Jupyter notebooks

2.Training and saving the model in IBM Machine learning service

3.Persisting the multiple linear regression model and deploying in IBM cloud

4.Assets

5.Deployments
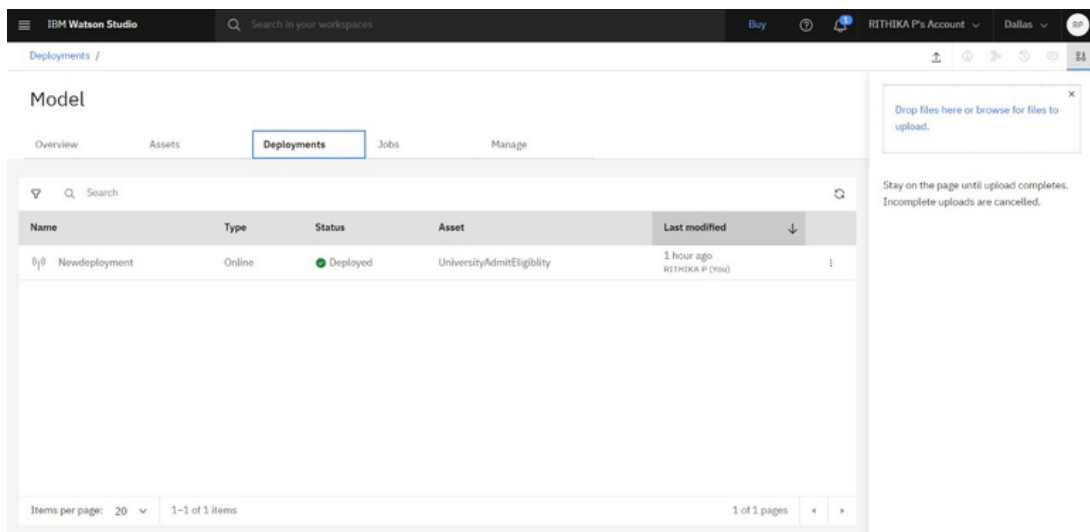
6.Testing the created model using API created for the deployed model

```python
import requests

# NOTE: you must manually set API_KEY below using information retrieved from your IBM Cloud account.
API_KEY = "ew-pWiA_AsZyd0q47rdunoSyBS3DO41dvTqVVL6bEeJ3"
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}

# NOTE: manually define and pass the array(s) of values to be scored in the next line
payload_scoring = {"input_data": [{"field": [["GRE Score","TOEFL Score","University Rating","SOP","LOR","CGPA","Research"]], "values": [[315,90,2,3,4,8.23,0]]}]}

response_scoring = requests.post('https://us-south.ml.cloud.ibm.com/ml/v4/deployments/b53b2edf-bea8-49a6-a700-7935b4e03e09/predictions?version=2022-11-18', json=payload_scori
 headers={'Authorization': 'Bearer ' + mltoken})
print("Scoring response")
print(response_scoring.json())
```

Scoring response

{'predictions': [{'fields': ['prediction'], 'values': [[[0.6222734570109485]]]}]}