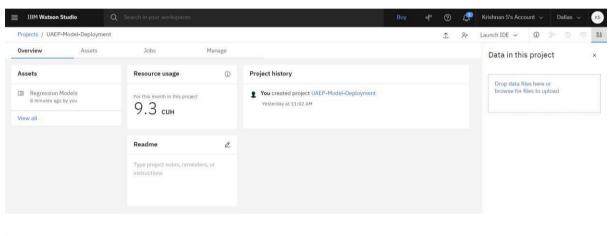
## **Training ML Model on IBM Watson**

**TEAM ID: PNT2022TMID07067** 

**PROJECT:** University Admit Eligibility Predictor

i) Setting up Watson Studio for running Jupyter notebooks

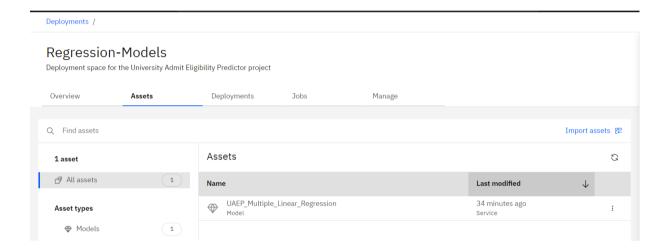




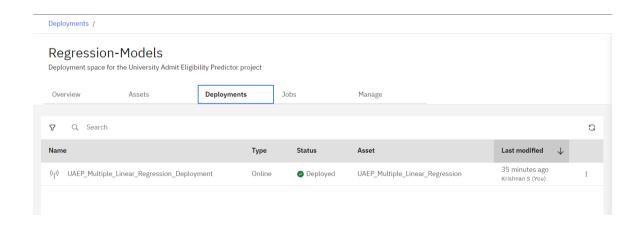
ii) Training and saving the model in IBM Watson Machine Learning Service

#### PERSISTING THE MULTIPLE LINEAR REGRESSION MODEL AND DEPLOYING IT IN IBM CLOUD

#### Assets:



### **Deployments:**



# iii) Testing the created model using the API created for the deployed model:

```
import requests
# NOTE: you must manually set API_KEY below using information retrieved from your IBM Cloud account.
API_KEY = "CYOUR_API_KEY)"
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": [[326, 110, 2, 3.5, 4, 9.23, 1]]}}}
response_scoring = requests.post('https://us-south.ml.cloud.ibm.com/ml/v4/deployments/uaep_deployment/predictions?version=2022-11-12', json=payload_scoring,
headers={'Authorization': 'Bearer ' + mltoken})
print('Scoring response')
print('Scoring response')
print(response_scoring.json())
Scoring response
{'predictions': ['fields': ['prediction'], 'values': [[[0.8448151378927107]]]}}}
```