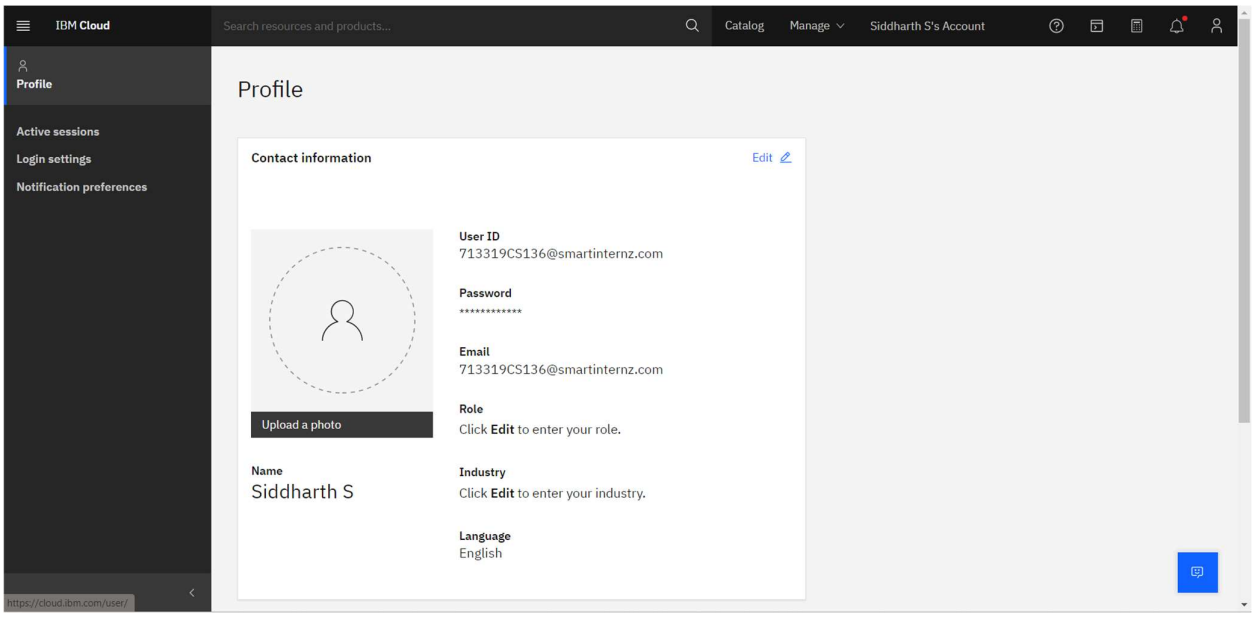
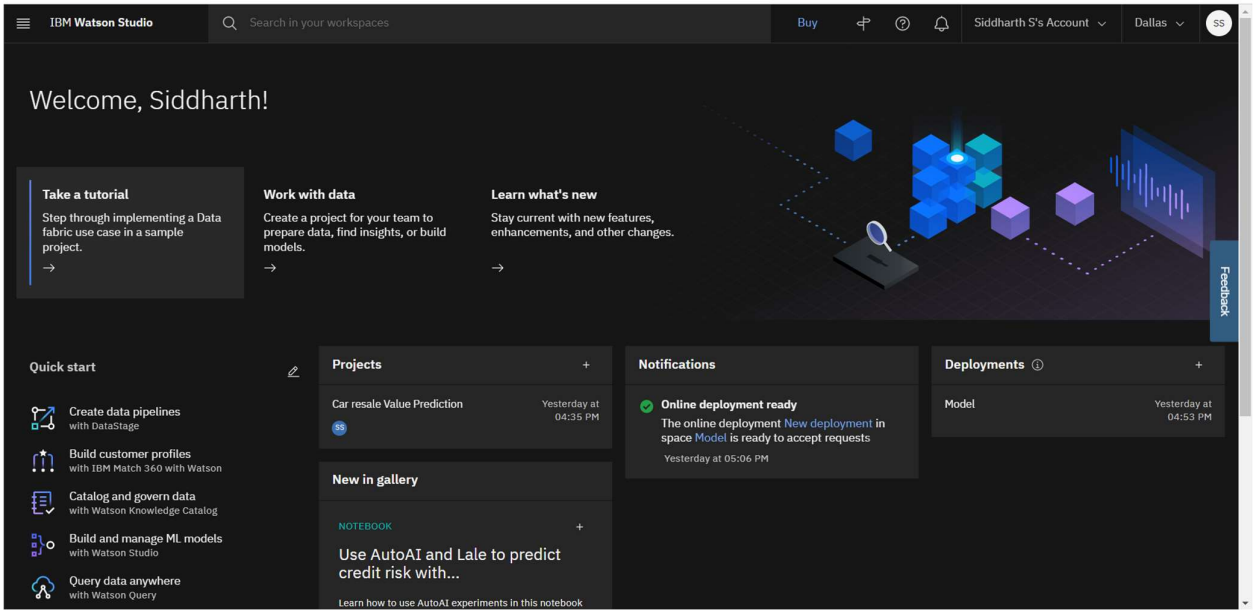
Train the Model on IBM

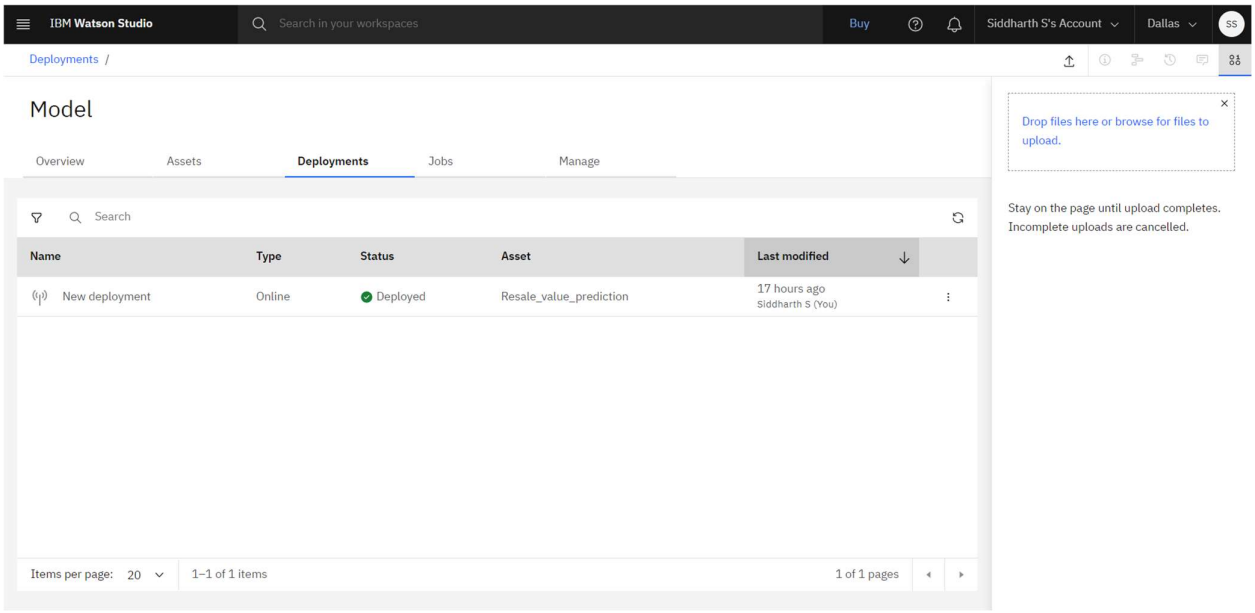
Date	31 October 2022
Team ID	PNT2022TMID18073
Project Name	Car Resale Value Prediction

1) Register for IBM Cloud



2) Train the ML model on IBM





3) Integrate Flask with Scoring End Point

```
import requests
import json

# NOTE: you must manually set API_KEY below using information retrieved from your IBM Cloud account.
API_KEY = "_UQf3F7bmy2SukTDfQ3TrfpHyqp4u3HXBjOJk69vC73s"
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": [['yearOfRegistration', 'powerPS', 'kilometer',
       'monthOfRegistration', 'gearbox_labels', 'notRepairedDamage_labels',
       'model_labels', 'brand_labels', 'fuelType_labels',
       'vehicleType_labels']], "values": [[2015, 234.0, 38593.0, '3', 0, 0, 0, 0, 0, 0]]}]}

response_scoring = requests.post('https://us-south.ml.cloud.ibm.com/ml/v4/deployments/f1a02296-819d-4106-8ea1-35bfcd286f8f/predictions?version=2022-11-12', json=payload_s
headers={'Authorization': 'Bearer ' + mltoken})
predictions = response_scoring.json()
print(predictions['predictions'][0]['values'][0][0])
```