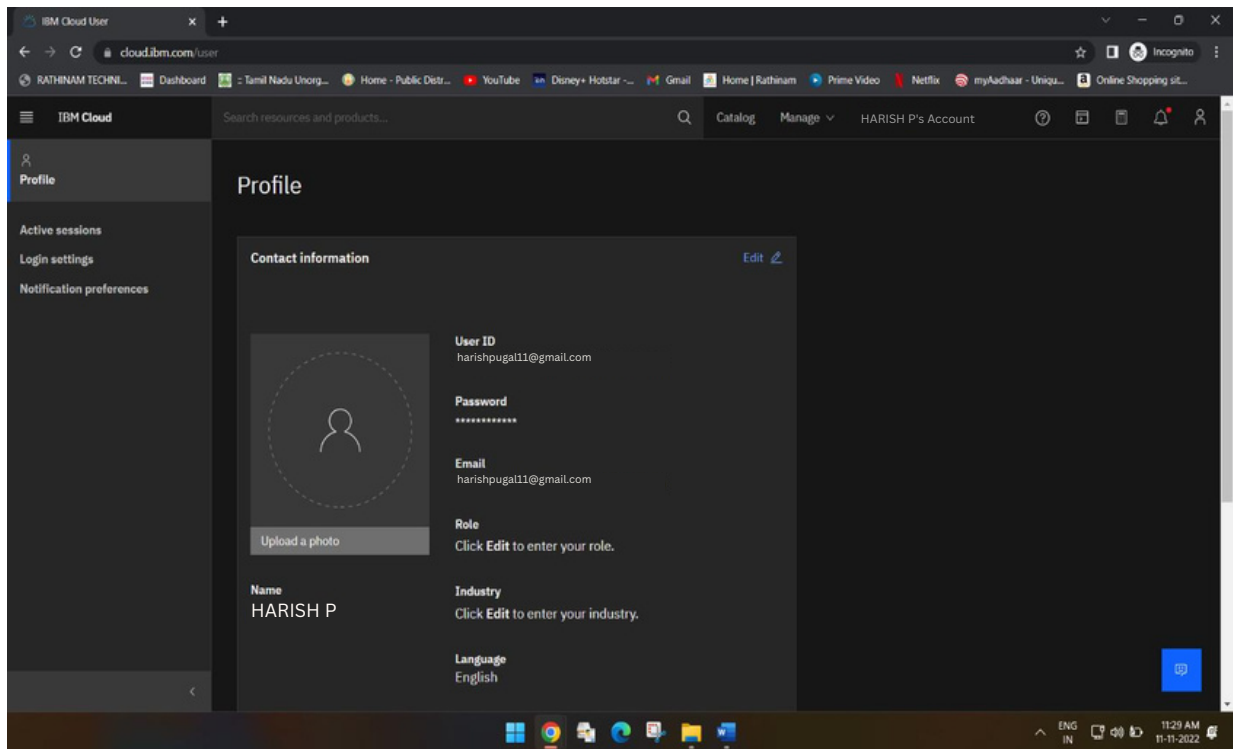


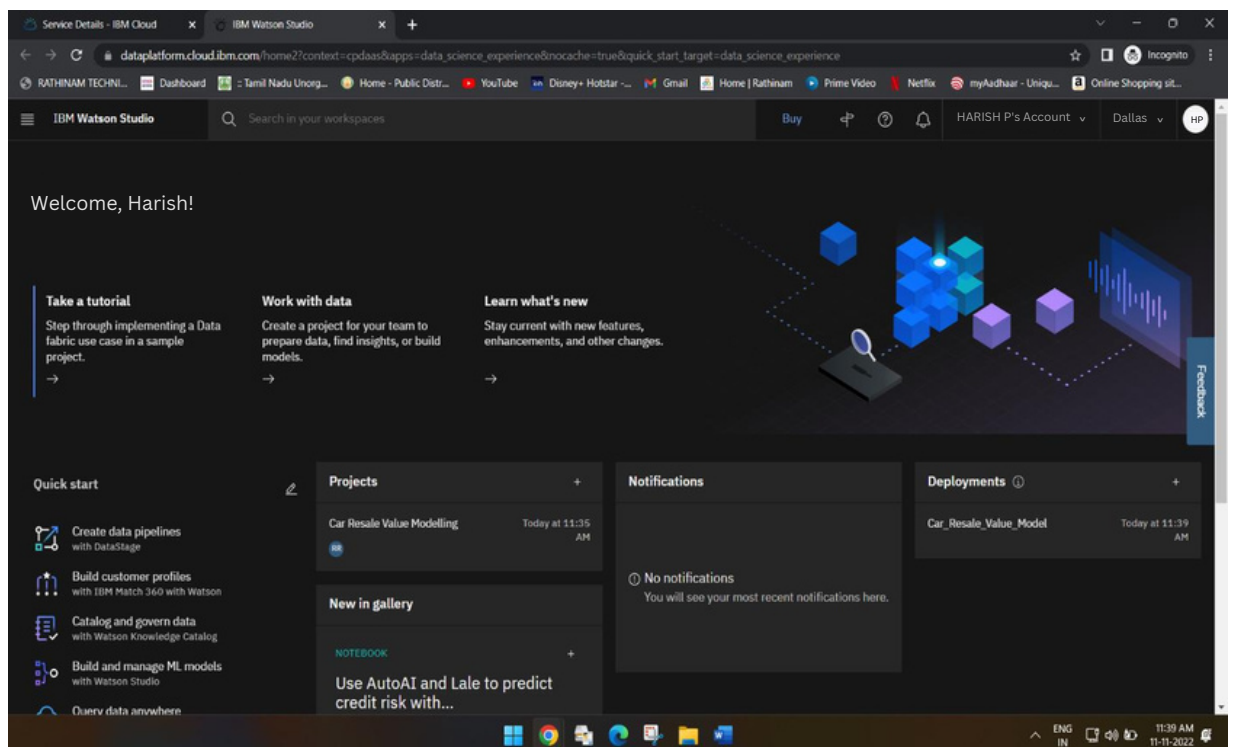
Train the Model on IBM

Date	31 October 2022
Team ID	PNT2022TMID28051
Project Name	Car Resale Value Prediction

1) Register for IBM Cloud



2) Train the ML model on IBM



The screenshot shows the IBM Watson Studio interface. The top navigation bar includes the IBM logo and a search bar. The main content area is titled "CRVP" and shows the "Deployments" tab. A table lists the deployment types: "Online" (1) and "Batch" (0). The "Online" deployment is named "CRVP" and is in a "Deployed" status, last modified on "Oct 30, 2022, 2:22 PM". A "New deployment" button is visible in the top right corner of the deployment list.

DEPLOYMENT TYPES	1 Online Deployment(s)						
Online (1)	<table border="1"> <thead> <tr> <th>Name</th> <th>Status</th> <th>Last modified</th> </tr> </thead> <tbody> <tr> <td>CRVP</td> <td>Deployed</td> <td>Oct 30, 2022, 2:22 PM</td> </tr> </tbody> </table>	Name	Status	Last modified	CRVP	Deployed	Oct 30, 2022, 2:22 PM
Name	Status	Last modified					
CRVP	Deployed	Oct 30, 2022, 2:22 PM					
Batch (0)							

On the right side, a sidebar provides details for the "CRVP" deployment, including its creation time, type (scikit-learn_1.0), model ID, software specification (runtime-22.1-py3.9), and tags.

3) Integrate Flask with Scoring End Point

The screenshot shows the IBM Watson Studio interface with a code editor open. The code is a Jupyter Notebook cell that demonstrates how to deploy a Flask application using the Watson Machine Learning client. The code includes the following steps:

```
In [23]: model_id = wml_client.repository.get_model_id(model_details)
model_id
Out[23]: '8852c589-045d-4e0e-a2cb-8f586f3b4648'

In [24]: # Set meta deployment_props = {
wml_client.deployments.ConfigurationMetadata.NAMESPACE: DEPLOYMENT_NAMESPACE,
wml_client.deployments.ConfigurationMetadata.ONLINE: {}
}

In [25]: # Deploy
deployment = wml_client.deployments.create(
    artifact_uid=model_id,
    meta_props=deployment_props
)

Synchronous deployment creation for uid: '8852c589-045d-4e0e-a2cb-8f586f3b4648' started
*****

Initializing
Note: online_url is deprecated and will be removed in a future release. Use serving_url instead.
ready

.....
Successfully finished deployment creation, deployment_uid='7f67cbcd-6222-413b-9901-b2a72807ac82'
.....
```

The output of the code shows the deployment process starting and completing successfully, providing a deployment ID and a serving URL.