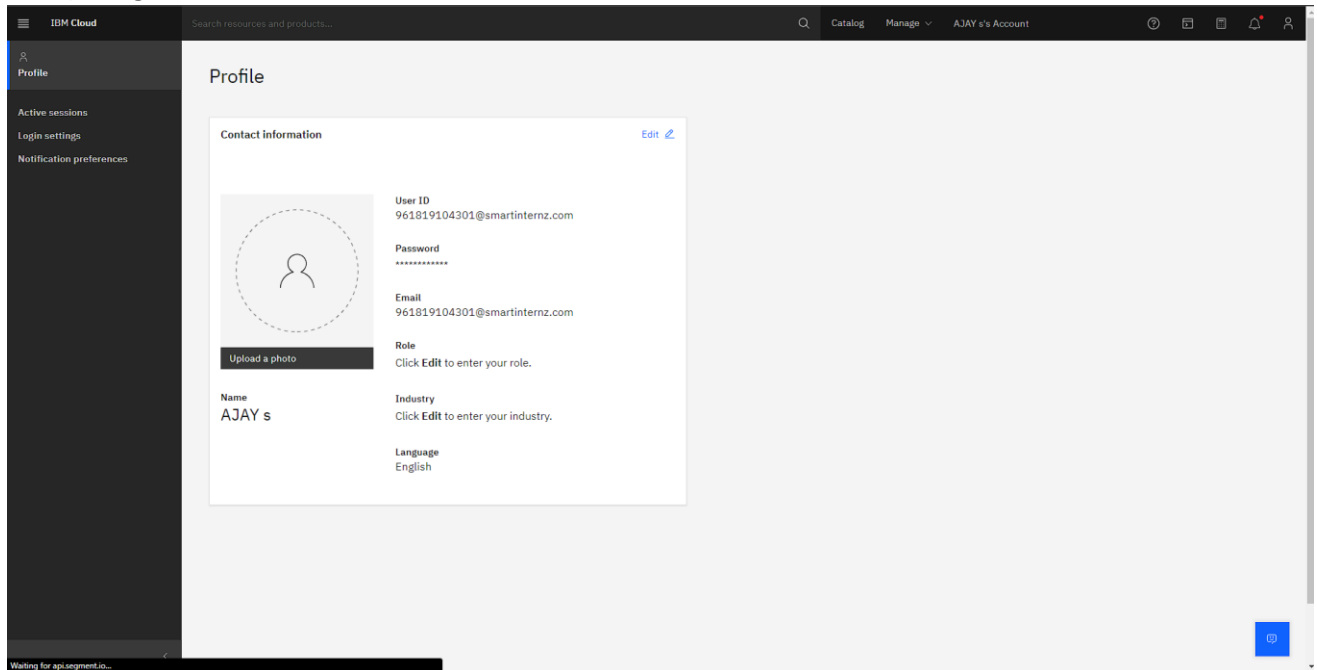


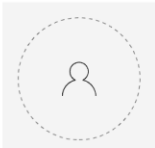
Train the Model on IBM

Date	19 November 2022
Team ID	PNT2022TMID34489
Project Name	Car Resale Value Prediction

1) Register for IBM Cloud



The screenshot displays the IBM Cloud user interface. On the left is a dark sidebar with navigation links: Profile, Active sessions, Login settings, and Notification preferences. The main content area is titled 'Profile' and contains a 'Contact information' section with an 'Edit' link. The profile details are as follows:

Contact information	
	User ID 961819104301@smartinternz.com
	Password *****
	Email 961819104301@smartinternz.com
	Role Click Edit to enter your role.
Name AJAY s	Industry Click Edit to enter your industry.
	Language English

At the bottom left, a status bar indicates 'Waiting for api.segment.io...'. A blue chat icon is visible in the bottom right corner.

2) Train the ML model on IBM

The screenshot shows the IBM Watson Studio dashboard. At the top, there's a navigation bar with the IBM Watson Studio logo, a search bar, and user information (Buy, AJAY's Account, Frankfurt, and a profile icon). The main content area has a dark theme and features a 'Welcome, Ajay!' message. Below this, there are three main sections: 'Take a tutorial', 'Work with data', and 'Learn what's new'. Each section has a brief description and a link to get started. To the right, there's a 'Projects' section showing a project named 'car resale value prediction modeling' with a timestamp 'Today at 06:12 PM'. Below the projects, there's a 'New in gallery' section featuring a notebook titled 'Use AutoAI and Lale to predict credit risk with...'. To the right of the projects, there's a 'Notifications' section showing 'No notifications'. Further right, there's a 'Deployments' section showing a deployment named 'car resale value prediction model' with a timestamp 'Today at 06:10 PM'. On the far right, there's a 'Feedback' button. The bottom of the dashboard has a 'What's new' section with updates on the Data Privacy tool and Data Refinery.

The screenshot shows the 'Deployments' page for the 'CRVP' model. The page has a breadcrumb trail: 'Deployments / Car_Resale_Value_Model /'. The main content area is titled 'CRVP' and has two tabs: 'Deployments' (selected) and 'Model details'. The 'Deployments' tab shows a table with deployment types and their details. The table has columns for 'Name', 'Status', and 'Last modified'. There is one deployment listed: 'CRVP' with a status of 'Deployed' and a last modified time of 'Oct 30, 2022, 2:22 PM'. To the right of the table, there's a 'New deployment' button. On the far right, there's a sidebar with details about the 'CRVP' model, including its creation time, type, model ID, software specification, description, and tags.

DEPLOYMENT TYPES	1 Online Deployment(s)						
Online (1)							
Batch (0)							
	<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					

3) Integrate Flask with Scoring End Point

```
Projects / Car Resale Value Prediction / car-resale-value-prediction-LGBM

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.ConfigurationMetaNames.NAME: DEPLOYMENT_NAME,
             wml_client.deployments.ConfigurationMetaNames.ONLINE: {}
         }

In [25]: # Deploy
         deployment = wml_client.deployments.create(
             artifact_id=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_urls instead.

ready

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