

## Train the Model on IBM

Date	31 October 2022
Team ID	PNT2022TMID54519
Project Name	Car Resale Value Prediction

### 1) Register for IBM Cloud

The screenshot shows the IBM Cloud Pak for Data user interface. At the top, there's a navigation bar with the IBM Cloud Pak for Data logo, a search bar, and links for 'Buy', help, notifications, and the user's account ('Anisha S's Account'). Below the navigation bar, the user's profile is displayed, including a profile picture, the name 'Anisha S', and the email 'anishabeena2000@gmail.com'. There's a link to 'Edit IBMid profile'. Below the profile, there are two tabs: 'Profile' (selected) and 'Git integrations'. The 'Profile' tab is divided into two sections. The left section, 'Service Filters', allows users to set which services they see by selecting filter options. It shows 'Filter by: Resource Groups' and 'Locations' (with a '2 x' indicator). The right section, 'Selected Account', displays the current account details: 'Account name: Anisha S's Account', 'Account type: Trial - 365 days left', and 'Account ID: 9353b3bf1e774e62aa592976d9142d6f'. At the bottom left, there's a section titled 'Leave IBM Cloud Pak for Data' with a warning and a link to 'Learn more about the results of leaving.' and a button to 'Leave IBM Cloud Pak for Data'.

### 2) Train the ML model on IBM

IBM Cloud Pak for Data

Welcome, Anisha!

**Take a tutorial**  
Step through implementing a Data fabric use case in a sample project.

**Work with data**  
Create a project for your team to prepare data, find insights, or build models.

**Learn what's new**  
Stay current with new features, enhancements, and other changes.

**Quick start**

- Create data pipelines with DataStage
- Build customer profiles with IBM Match 360 with Watson
- Catalog and govern data

**Projects**

custom model deployment Today at 09:04 AM

**Notifications**

No notifications  
You will see your most recent notifications here.

**Deployments**

No deployment spaces  
After you create spaces, you'll see them here.

choose\_Model (1).pdf Save Model (1).pdf Model Building (1).pdf Metrics\_of\_the\_mo....pdf Train the Model on....pdf

IBM Watson Studio

Deployments / Car\_Resale\_Value\_Model /

**CRVP**

**Deployments**

1 Online Deployment(s)

DEPLOYMENT TYPES	Name	Status	Last modified
Online (1)	CRVP	Deployed	Oct 30, 2022, 2:22 PM
Batch (0)			

**CRVP**

Created Oct 30, 2022, 2:22 PM

Type scikit-learn\_1.0

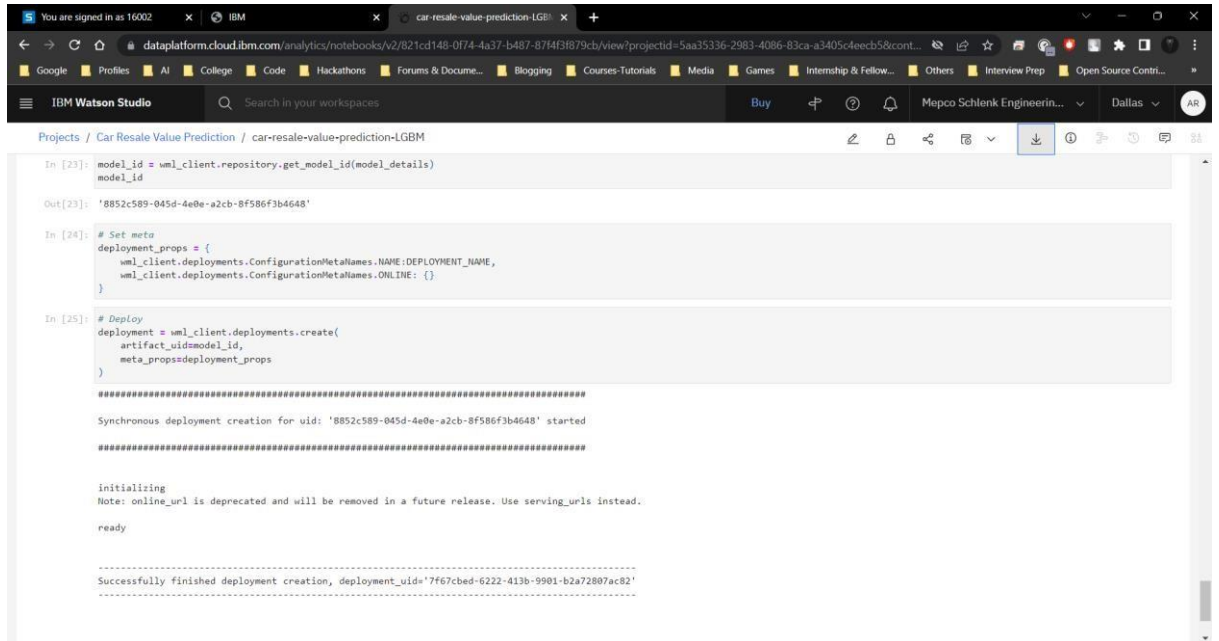
Model ID 8852c589-045d-4e0e-a2cb-8f586f3b4648

Software specification runtime-22.1-py3.9

Description No description provided.

Tags Add tags to make assets easier to find.

### 3) Integrate Flask with Scoring End Point



The screenshot shows the IBM Watson Studio web interface. The browser address bar displays the URL: `dataplatform.cloud.ibm.com/analytics/notebooks/v2/821cd148-0f74-4a37-b487-87f4f3b79cb/view?projectId=5aa35336-2983-4086-83ca-a3405c4eeb58cont...`. The page header includes the IBM logo, a search bar, and navigation links like 'Buy', 'Mepco Schlenk Engineerin...', and 'Dallas'. The main content area shows a Jupyter notebook titled 'car-resale-value-prediction-LGBM'. The notebook contains the following code:

```
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_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_urls instead.

ready

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