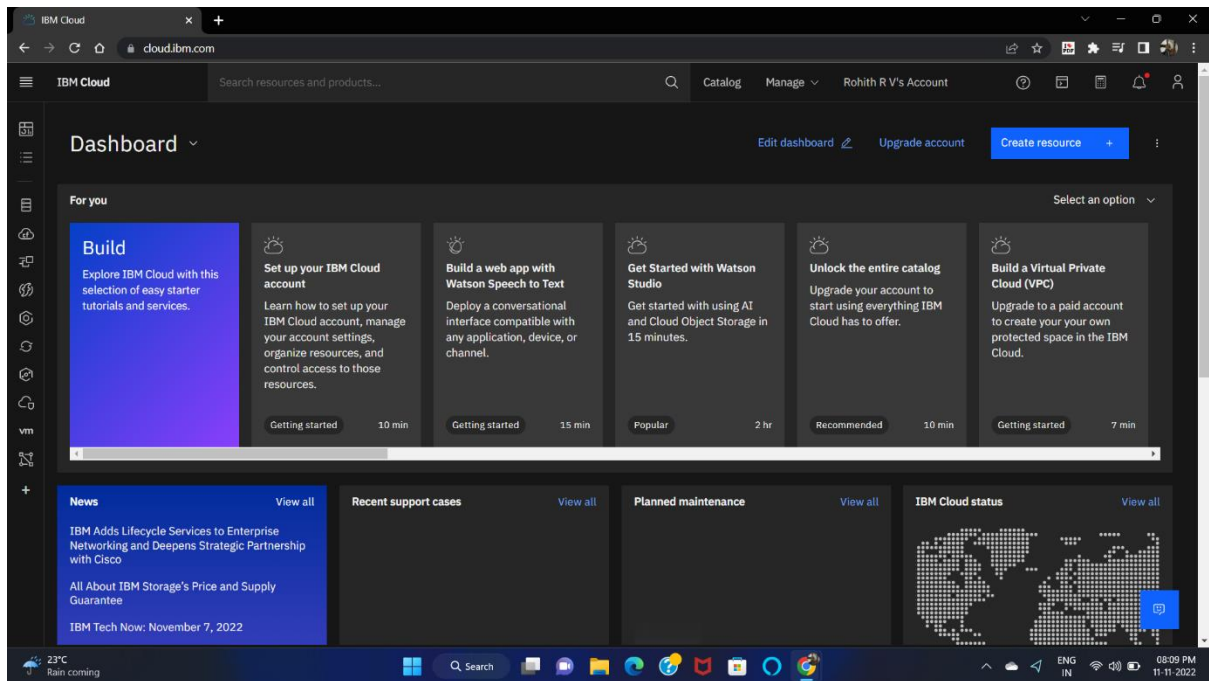
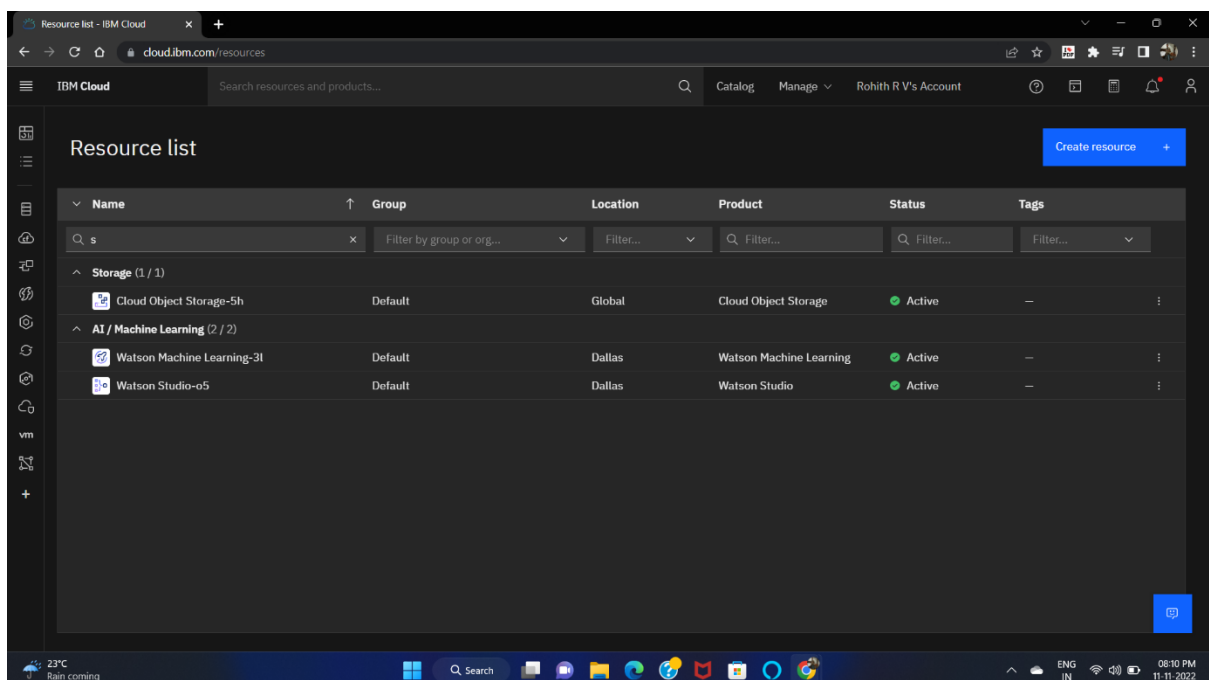


Date	14 NOVEMBER 2022
Team ID	PNT2022TMID43743
Project Name	CAR RESALE VALUE PREDICTION

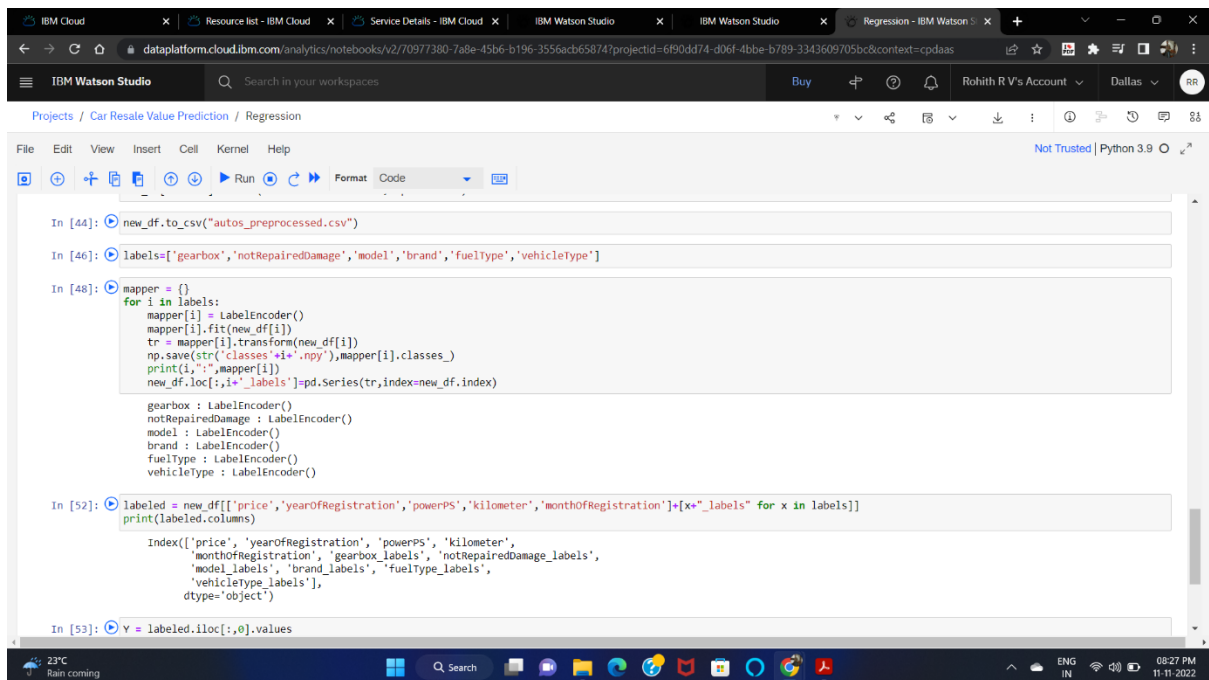
LOGGING IN ON IBM CLOUD



CREATING REQUIRED SERVICES ON IBM CLOUD



CREATING A NEW PROJECT AND TRAINING THE MODEL



The screenshot shows the IBM Watson Studio interface with a notebook titled "Regression". The code in the notebook is as follows:

```
In [44]: new_df.to_csv("autos_preprocessed.csv")

In [46]: labels=['gearbox','notRepairedDamage','model','brand','fuelType','vehicleType']

In [48]: mapper = {}
for i in labels:
    mapper[i] = LabelEncoder()
    mapper[i].fit(new_df[i])
    tr = mapper[i].transform(new_df[i])
    np.save(str('classes'+i+'.npy'),mapper[i].classes_)
    print(i,":",mapper[i])
    new_df.loc[:,i+"_labels"] = pd.Series(tr,index=new_df.index)

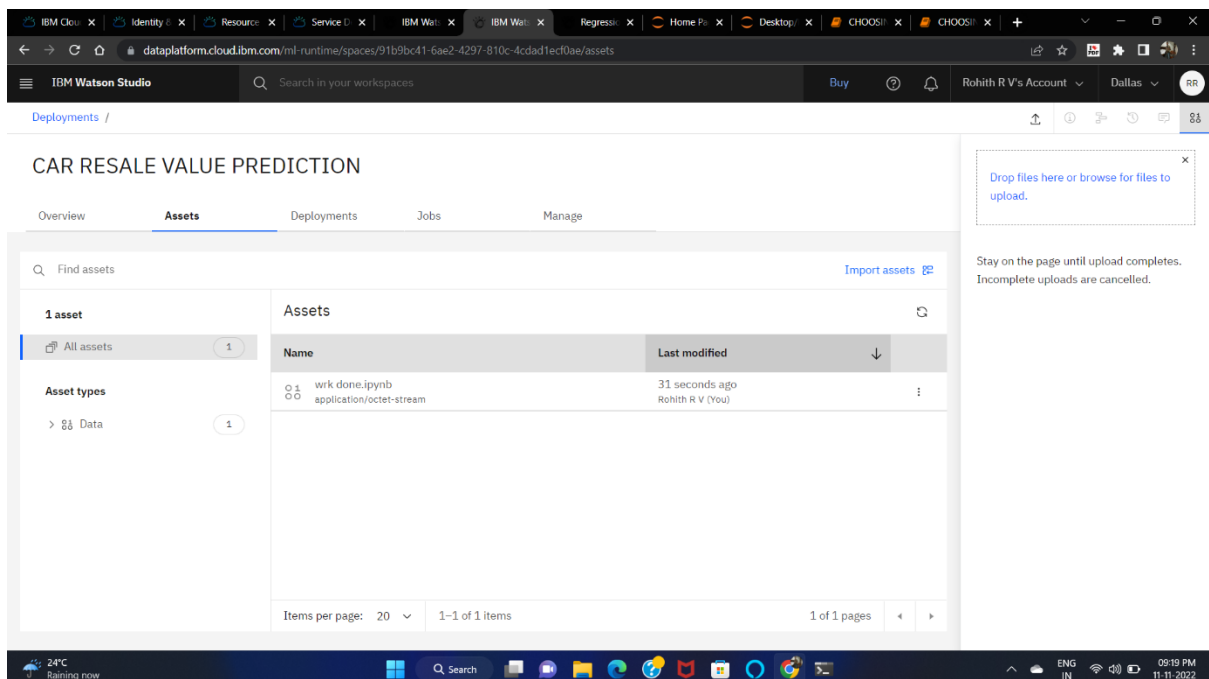
gearbox : LabelEncoder()
notRepairedDamage : LabelEncoder()
model : LabelEncoder()
brand : LabelEncoder()
fuelType : LabelEncoder()
vehicleType : LabelEncoder()

In [52]: labeled = new_df[['price','yearOfRegistration','powerPS','kilometer','monthOfRegistration'] + [x+"_labels" for x in labels]]
print(labeled.columns)

Index(['price', 'yearOfRegistration', 'powerPS', 'kilometer',
       'monthOfRegistration', 'gearbox_labels', 'notRepairedDamage_labels',
       'model_labels', 'brand_labels', 'fuelType_labels',
       'vehicleType_labels'],
      dtype='object')

In [53]: y = labeled.iloc[:,0].values
```

PROJECT DEPLOYMENT



The screenshot shows the IBM Watson Studio interface for the "CAR RESALE VALUE PREDICTION" project. The "Deployments" tab is selected, and the "Assets" section is visible. The assets table shows one asset named "wrk done.ipynb" with a last modified time of "31 seconds ago".

Name	Last modified
wrk done.ipynb	31 seconds ago

Items per page: 20 | 1-1 of 1 items | 1 of 1 pages

DEPLOYMENT STATUS

The screenshot shows the IBM Watson Studio interface. The top navigation bar includes the IBM logo, a search bar, and user information. 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 has a status of "Deployed" with a green checkmark. The last modified time is "NOV 11, 2022, 09:17 PM". A "New deployment" button is visible in the top right corner of the deployment list.

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

Name	Status	Last modified
CRVP	Deployed	NOV 11, 2022, 09:17 PM

CRVP Details:

- Created: NOV 11, 2022, 09:17 PM
- Type: scikit-learn_1.0
- Model ID: 8852c589-045d-4e0e-a2cb-8f58...
- Software specification: runtime-22.1-py3.9
- Description: No description provided.
- Tags: Add tags to make assets easier to find.

COMPLETED MODEL TRAINING

The screenshot shows the IBM Watson Studio home page. The top navigation bar includes the IBM logo, a search bar, and user information. The main content area is titled "Welcome, Rohith!" and features a "Take a tutorial" section with a link to "Step through implementing a Data fabric use case in a sample project." Below this, there are three sections: "Work with data", "Learn what's new", and "Quick start". The "Quick start" section includes links to "Create data pipelines with DataStage", "Build customer profiles with IBM Match 360 with Watson", "Catalog and govern data with Watson Knowledge Catalog", "Build and manage ML models with Watson Studio", and "Query data anywhere with Watson Query". The "Projects" section shows a project named "Car Resale Value Prediction" with a status of "Completed" and a last modified time of "Nov 11, 2022 08:20 PM". The "Notifications" section shows "No notifications". The "Deployments" section shows a deployment named "CAR RESALE VALUE PREDICTION" with a status of "Deployed" and a last modified time of "Nov 11, 2022 09:17 PM".

Projects:

Project Name	Status	Last Modified
Car Resale Value Prediction	Completed	Nov 11, 2022 08:20 PM

Deployments:

Deployment Name	Status	Last Modified
CAR RESALE VALUE PREDICTION	Deployed	Nov 11, 2022 09:17 PM