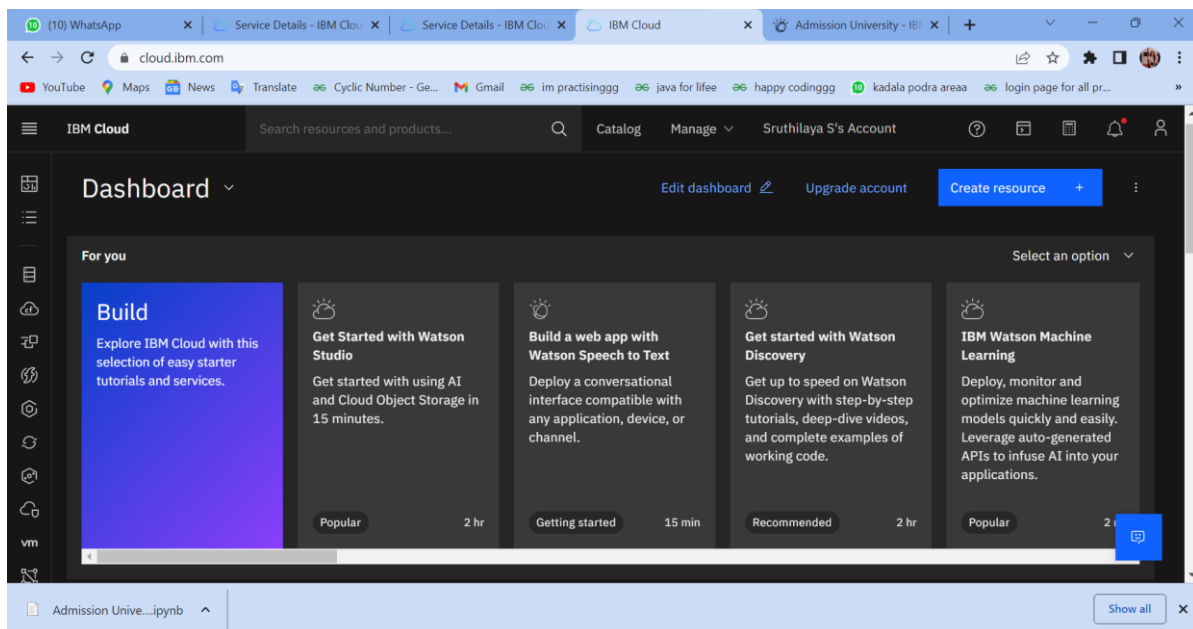


# TRAINING ML MODEL ON IBM WATSON

<b>TEAM ID:</b>	PNT2022TMID02482
<b>PROJECT:</b>	University Admit Eligibility Predictor

## 1. Setting up Watson Studio for running Jupyter notebooks



Browser tabs: (10) WhatsApp, Service Details, IBM Watson Studio, Service Details, IBM Cloud, Admission University, Download file, +

Address bar: dataplatform.cloud.ibm.com/projects/83e6a7e7-1843-4481-919d-0b8af249731a/overview?context=cpdaas

Navigation bar: IBM Watson Studio, Search in your workspaces, Buy, Sruthilaya S's Account, Dallas, SS

Breadcrumbs: Projects / cloudmoduledeployment

Buttons: Launch IDE

**Overview**

Assets

Jobs

Manage

**Assets**

Admission University

11 hours ago by you

[View all](#)

**Resource usage**

For this month in this project

3.4 CUH

**Project history**

You created project cloudmoduledeployment

Today at 01:49 AM

**Readme**

Type project notes, reminders, or instructions

Admission Unive...ipynb

Show all

The screenshot shows the IBM Watson Studio interface. The top navigation bar includes 'IBM Watson Studio' and a search bar. The main content area is titled 'Assets' and shows a list of 2 assets. The assets are:

Name	Last modified
Admission University Notebook	11 hours ago Modified by you
Admission_Predict.csv	12 hours ago Modified by you

On the right side, there is a section titled 'Data in this project' with a prompt: 'Drop data files here or browse for files to upload'.

The screenshot shows the IBM Cloud Watson Machine Learning-1b page. The page title is 'Watson Machine Learning-1b' with a status of 'Active'. The main content area features a diagram illustrating the architecture of Watson Machine Learning in Cloud Pak for Data. The diagram shows a stack of components: 'IBM Cloud Base cloud infrastructure' at the bottom, followed by 'IBM Cloud Pak for Data Unifying platform', and 'Watson Machine Learning in Cloud Pak for Data' at the top. A blue button labeled 'Launch in IBM Cloud Pak for Data' is visible.

## 2. Training and saving the model in IBM Watson Machine Learning Service

IBM Watson Studio interface showing a Jupyter Notebook with the following code:

```
In [3]: import numpy as np
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
import warnings
warnings.filterwarnings('ignore')
%matplotlib inline

In [6]: import os, types
import pandas as pd
from botocore.client import Config
import boto3

def __iter__(self): return 0

#@hidden_cell
# The following code accesses a file in your IBM Cloud Object Storage. It includes your credentials.
```

The interface includes a top navigation bar with tabs for various services, a search bar, and a sidebar with project navigation. The bottom status bar shows the temperature (29°C) and time (14:13).

IBM Watson Studio interface showing a Jupyter Notebook with the following code:

```
watson_machine_learning) (3.0.4)

In [38]: from ibm_watson_machine_learning import APIClient
wml_credentials = {
    "url": "https://us-south.ml.cloud.ibm.com",
    "apikey": "00sZqHIsZolCRinCILQqfJ__aHC-_bsBliAvQ6oJ6_g"
}
client = APIClient(wml_credentials)

In [39]: def guid_from_space_name(client, space_name):
space=client.spaces.get_details()
#print(space)
return(next(item for item in space['resources'] if item['entity']['name'] == space_name['metadata']['id']))

In [41]: space_uid = guid_from_space_name(client, 'Newsapce')
print("Space UID = " + space_uid)
```

The interface includes a top navigation bar with tabs for various services, a search bar, and a sidebar with project navigation. The bottom status bar shows the temperature (29°C) and time (14:15).