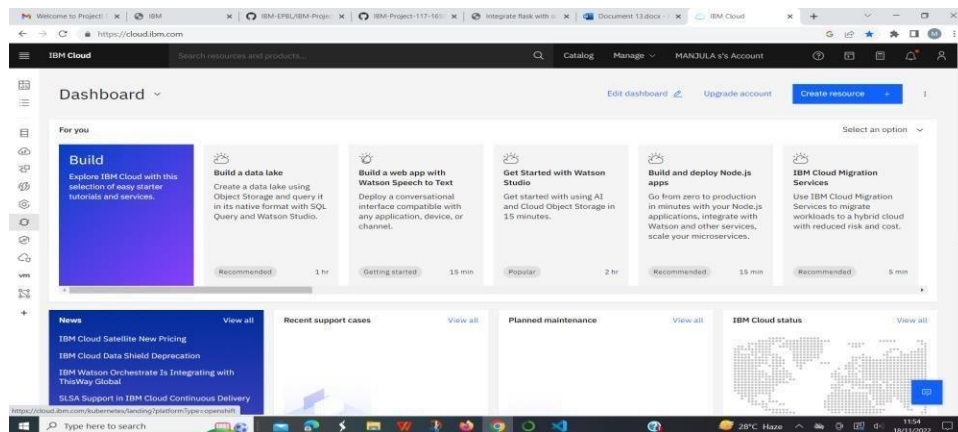


Train the model on the IBM

Team ID	PNT2022TMID08207
Project Name	Smart Lender - Applicant Credibility Prediction for Loan Approval

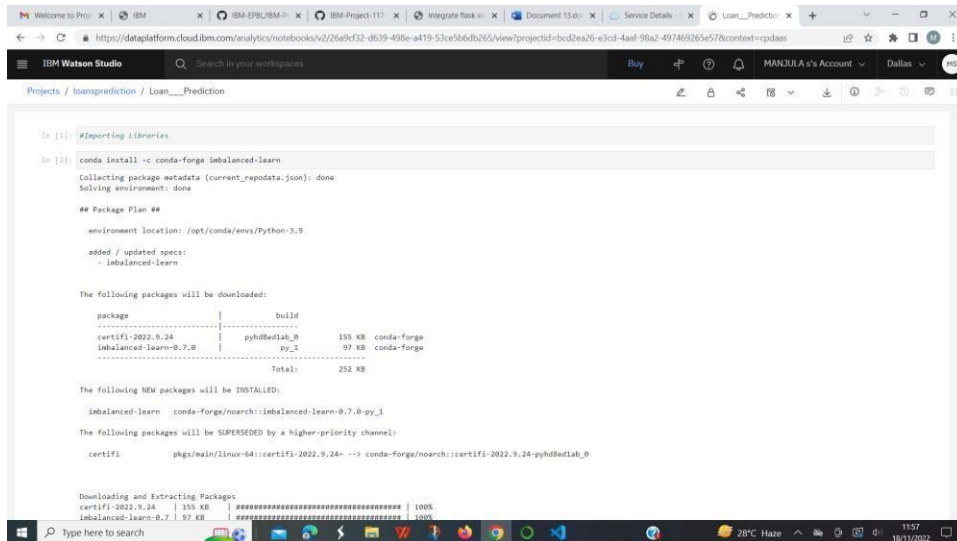
Step1: Open the IBM cloud



Step 2: create the Waston service

Step 3: create a new project for the deploying the loan prediction

Step 4: Upload the loan_prediction.ipynb file to train the model on the IBM cloud using the API key



The screenshot shows the IBM Watson Studio interface. The top navigation bar includes the IBM logo, a search bar, and user account information (MANJULA S's Account, Dallas). The main workspace area displays a Jupyter Notebook with the following code and output:

```
In [1]: #Importing libraries
In [2]: conda install -c conda-forge imbalanced-learn
Collecting package metadata (current_repodata.json): done
Solving environment: done

## Package Plan ##

  environment location: /opt/conda/envs/Python-3.9
  added / updated specs:
    - imbalanced-learn

The following packages will be downloaded:

  package | build
  ----- | -----
  certifi-2022.9.24 | pyhffed1ab_0 155 KB conda-forge
  imbalanced-learn-0.7.0 | py_2 97 KB conda-forge
  ----- | -----
  Total: 252 KB

The following NEW packages will be INSTALLED:

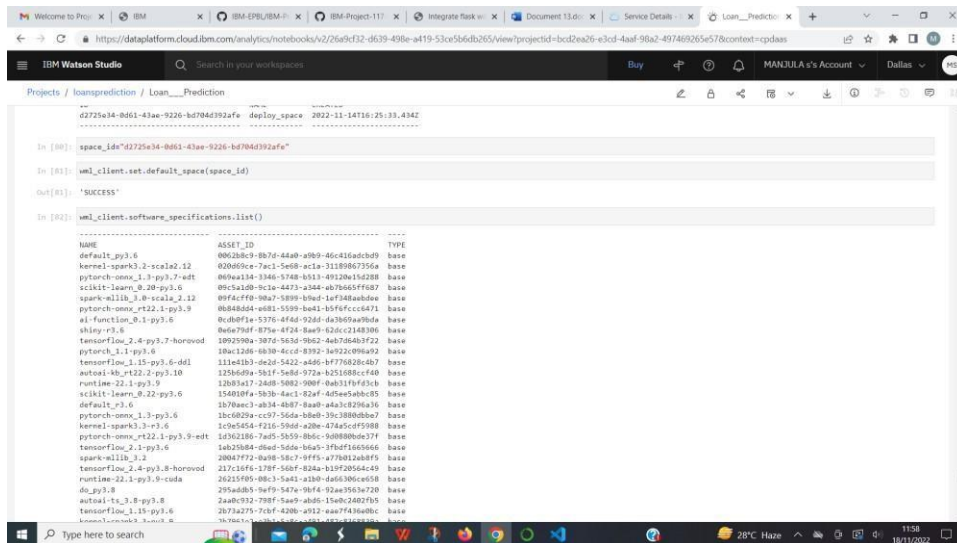
  imbalanced-learn conda-forge/noarch::imbalanced-learn-0.7.0-py_1

The following packages will be SUPERSEDED by a higher-priority channel:

  certifi pkgs/main/linux-64::certifi-2022.9.24--> conda-forge/noarch::certifi-2022.9.24-pyhffed1ab_0

Downloading and Extracting Packages
certifi-2022.9.24 | 155 KB | ##### 100%
imbalanced-learn-0.7.0 | 97 KB | ##### 100%
```

Step 5: Train the model on the IBM cloud at least the deployed space created



The screenshot shows the IBM Watson Studio interface. The top navigation bar includes the IBM logo, a search bar, and user account information (MANJULA S's Account, Dallas). The main workspace area displays a Jupyter Notebook with the following code and output:

```
In [00]: space_id="d2725e34-8061-43ae-9226-bd70d392afe"
In [01]: wml_client.set.default_space(space_id)
Out[01]: "SUCCESS"
In [02]: wml_client.software_specifications.list()
```

NAME	ASSET ID	TYPE
default_py3.6	00628bc9-8b7d-44a0-a9b9-86c416dcb9	base
kernel-spark3.2-scala2.12	020d09ce-7ac1-5e08-ac1a-311808d7356a	base
pytorch-cnnx_1.3-py3.7-edtf	006ea13a-1346-5740-b133-891281a1428b	base
scikit-learn_0.20-py3.6	09c5a1d0-9c1e-4473-a344-ab76a65ff687	base
spark-mllib_3.0-scala_2.12	09fa7f80-90a7-5899-bb6d-1e7f38daabde	base
pytorch-cnnx_v12.1-py3.8	0b68d84d-e081-5599-ba41-b5f4cc6471	base
ai-function_0.1-py3.6	0cd0ff1a-5376-4f4d-92d8-da3b69aa9bda	base
sklearn-v3.6	0a6e79df-875e-4724-8ae9-82dc-c2148306	base
tensorflow_2.4-py3.7-horovod	1992959a-3876-5630-9b62-bab76da3f22	base
pytorch_1.1-py3.6	18ac12d6-6b30-4cc2-8792-ba92c09ba92	base
tensorflow_1.15-py3.6-d01	111e41b3-dc2d-5422-a486-b776828c407	base
actool-vb_v120.2-py3.10	125d6d3a-5a1f-5e02-972a-9151588c4f40	base
runtime-22.1-py3.9	12b3a17-2408-5802-900f-bab319fd3cb	base
scikit-learn_0.22-py3.6	154010fa-5b30-4ac1-82af-a05e5abbc85	base
default_py3.6	1b708ac3-a834-4087-8a0b-a1a3c828a3a	base
pytorch-cnnx_1.3-py3.6	1bc6029a-c97-56da-bb6b-3bc3880bb67	base
kernel-spark3.3-v3.6	1c9e5454-f216-596d-a20e-47a45c4f9388	base
pytorch-cnnx_v12.1-py3.8-edtf	1d3c1162-7a5f-5a50-b86c-ba8880ba377	base
tensorflow_2.1-py3.6	1ab25b84-d1ed-56da-ba55-3fb0f165666	base
spark-mllib_3.1	20047772-ba98-58c7-9ff5-a778012a88f5	base
tensorflow_2.4-py3.8-horovod	237c167a-178f-5b0f-824a-919f2054dc40	base
runtime-22.1-py3.8-cuda	26215f05-08c3-5a41-a330-d463306ce58	base
du_py3.8	295adb55-5e19-547e-98f4-92ae3563e720	base
actool-v14.3-py3.8	2a4b0732-708f-5a0b-ab65-15ebc246270c	base
tensorflow_1.15-py3.6	2b73a275-7cbf-420b-a912-eaa7f4ba0bc	base
kernel-spark3.3-v3.6	3b70e17c-607b-5a5f-8a0b-a1a3c828a3a	base