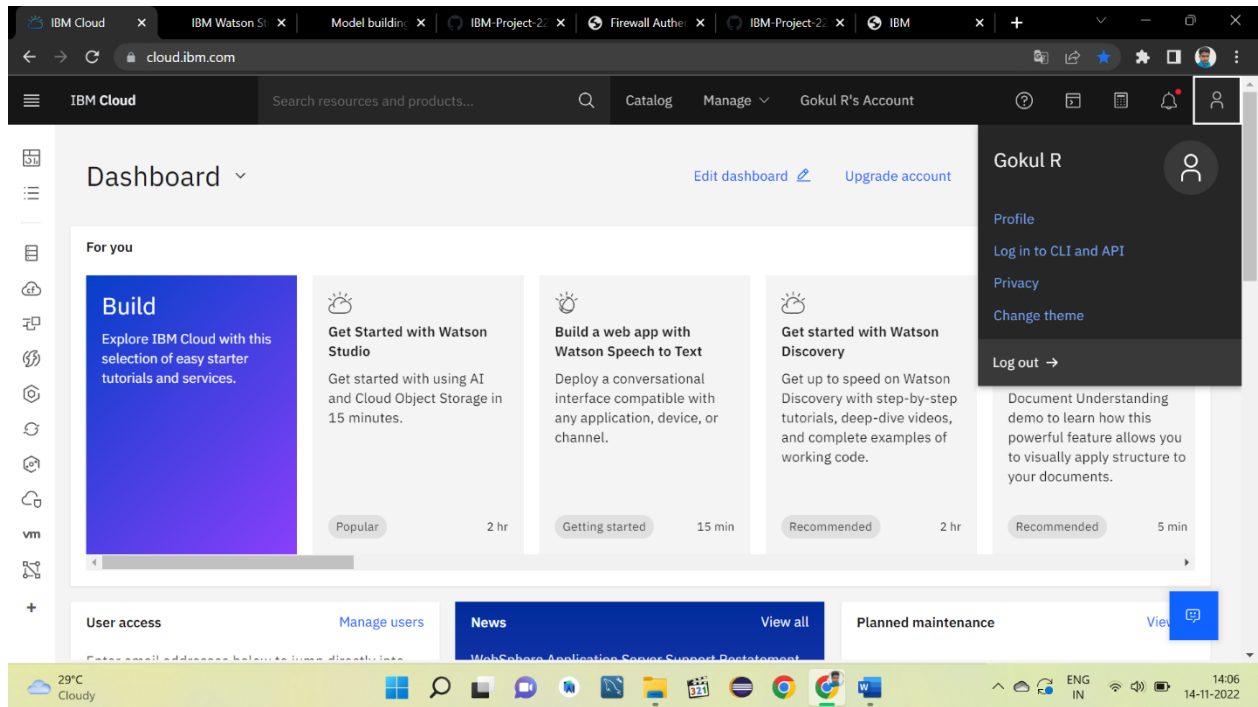


Delivery of Sprint-3

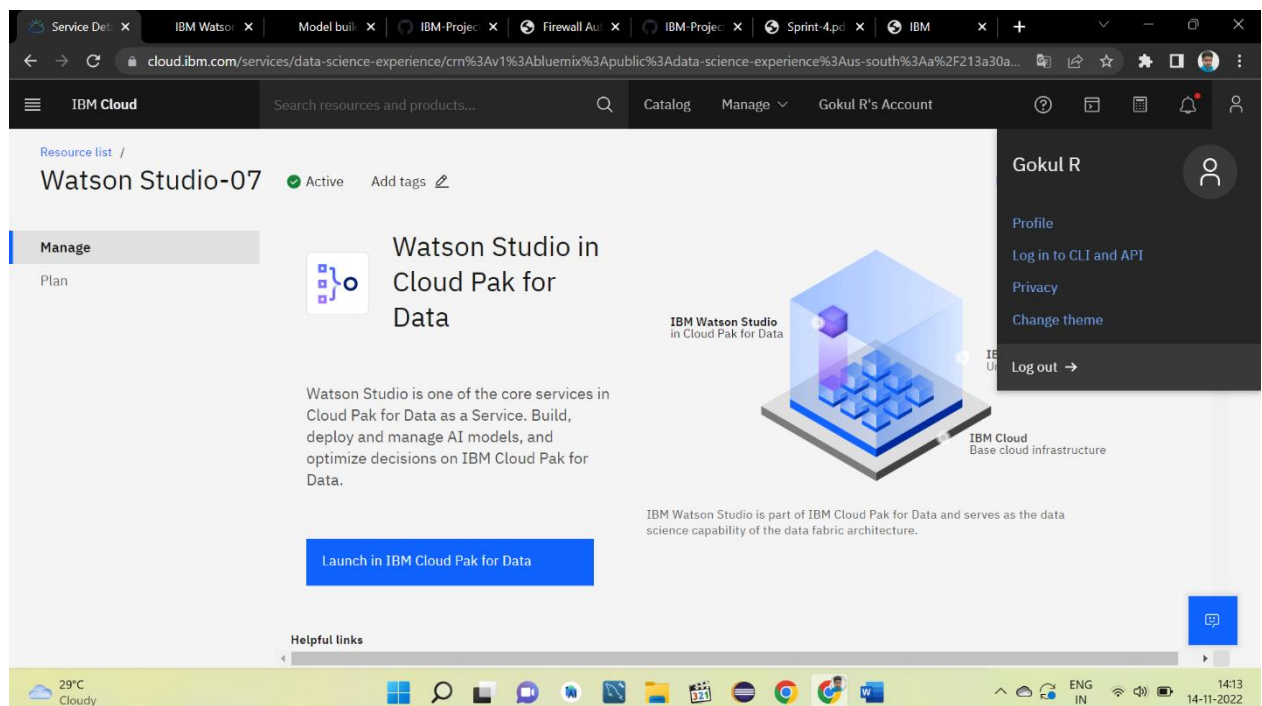
Date	14 November 2022
Team ID	PNT2022TMID04563
Project Name	Project – Crude Oil Price Prediction

1.Register for IBM cloud

❖ Created account on IBM

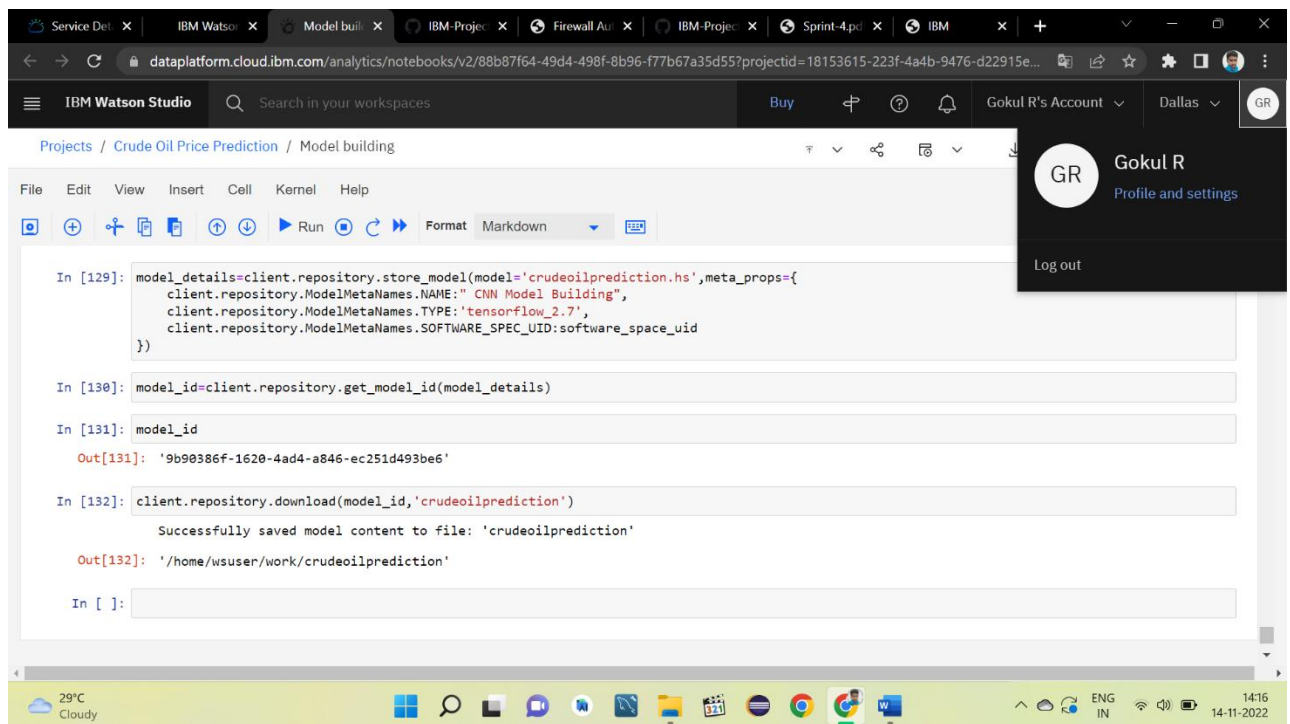


❖ Activated Watson machine learning and Watson Studio



2. Train the model on IBM

❖ Model building in IBM Watson studio



The screenshot shows the IBM Watson Studio interface with a notebook titled 'Model building'. The notebook contains the following code and output:

```
In [129]: model_details=client.repository.store_model(model='crudeoilprediction.hs',meta_props={
          client.repository.ModelMetaNames.NAME:" CNN Model Building",
          client.repository.ModelMetaNames.TYPE:'tensorflow_2.7',
          client.repository.ModelMetaNames.SOFTWARE_SPEC_UID:software_space_uid
        })

In [130]: model_id=client.repository.get_model_id(model_details)

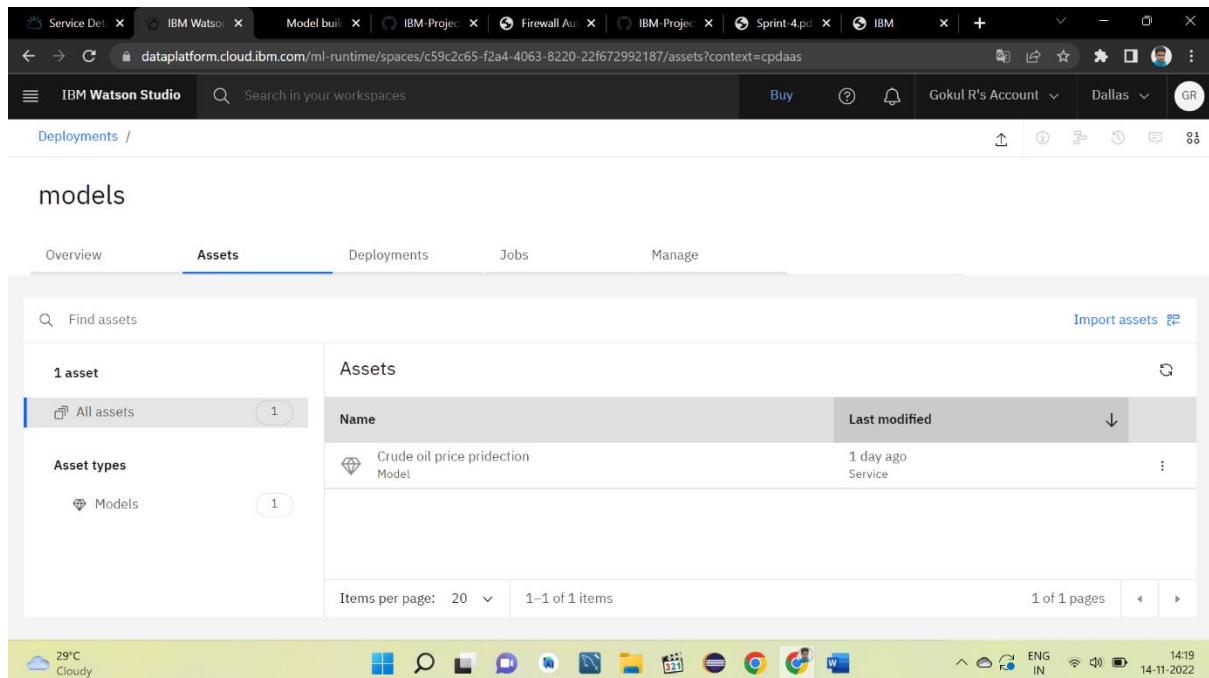
In [131]: model_id
Out[131]: '9b90386f-1620-4ad4-a846-ec251d493be6'

In [132]: client.repository.download(model_id,'crudeoilprediction')
          Successfully saved model content to file: 'crudeoilprediction'
Out[132]: '/home/wsuser/work/crudeoilprediction'

In [ ]:
```

The output shows the model ID and the successful download of the model content to the file 'crudeoilprediction'.

3. Deployment



The screenshot shows the IBM Watson Studio interface with the 'Deployments' page. The 'Assets' tab is selected, showing a list of assets. The table below represents the data shown in the screenshot:

Name	Last modified
Crude oil price pridction Model	1 day ago Service

The table shows 1 of 1 items. The page also includes a search bar, a filter for 'All assets', and a section for 'Asset types' with 'Models' selected.