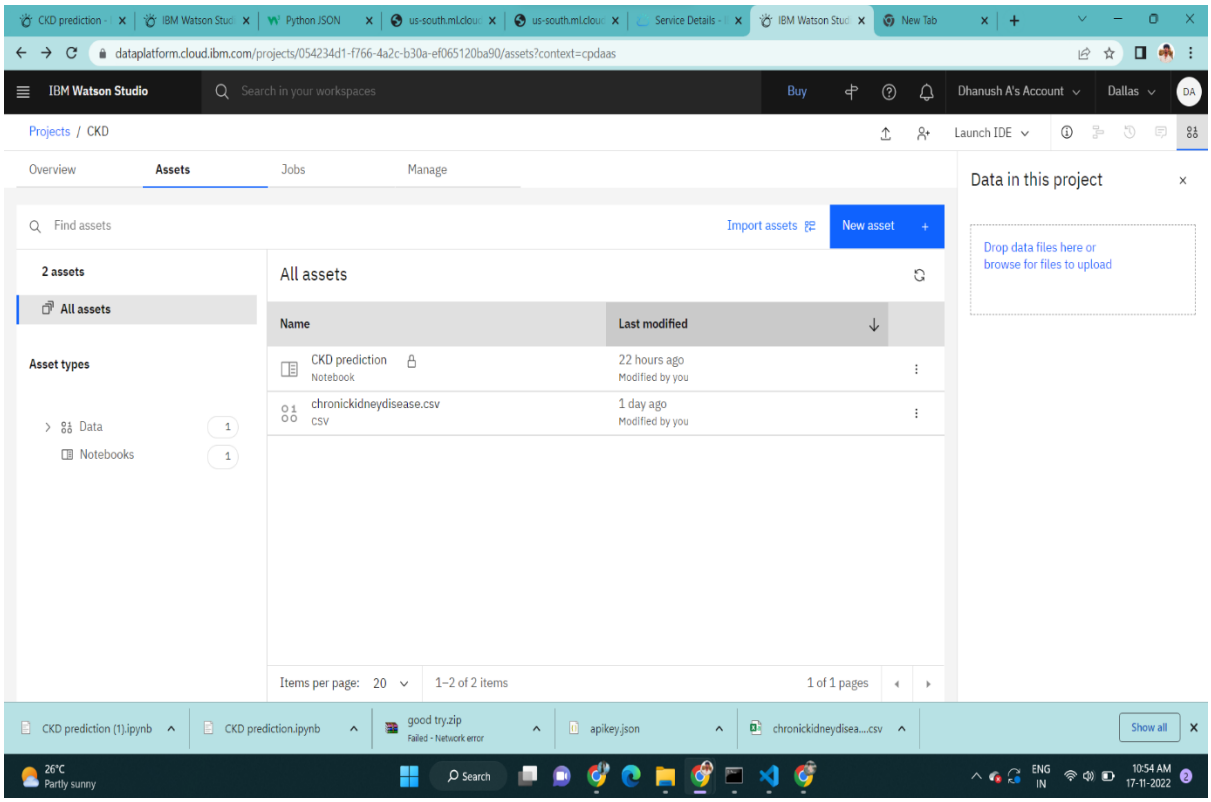
Project Development Phase
Delivery of Sprint 3
Train the model on IBM

Date	17 November 2022
Team ID	PNT2022TMID30154
Project Name	Project - Early Detection of Chronic Kidney Disease

IBM Cloud – Model Deployment :

Deploying our model on IBM cloud

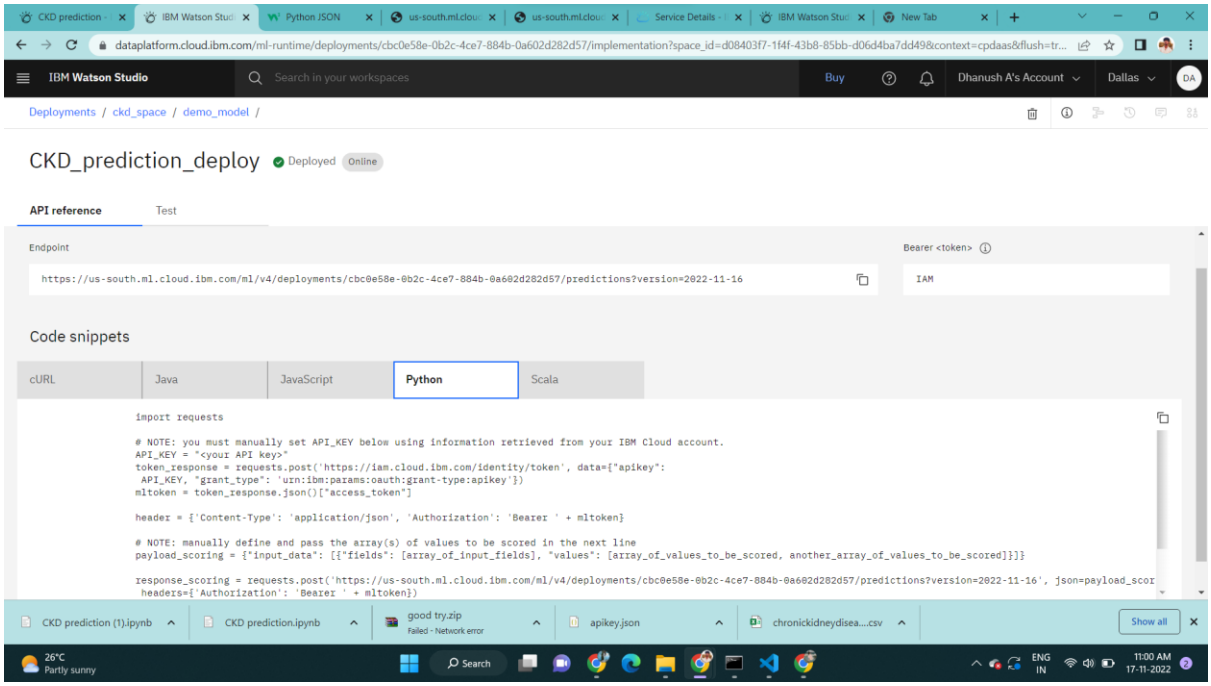


API key generated.


```
{
    "name": "ckd_apikey",
    "description": "",
    "createdAt": "2022-11-16T05:50+0000",
    "apikey": "xiMVDb4L5mvINXcJ2991XUc8UF-5ILsZp-nMFjTk4CjQ"
}
```

Endpoint link generated :

https://us-south.ml.cloud.ibm.com/ml/v4/deployments/cbc0e58e-0b2c-4ce7-884b-0a602d282d57/predictions?version=2022-11-16



Code Snippets (Python) :

import requests

NOTE: you must manually set API_KEY below using information retrieved from your IBM Cloud account.

API_KEY = "<your API key>"

token_response = requests.post('https://iam.cloud.ibm.com/identity/token', data={"apikey":

API_KEY, "grant_type": 'urn:ibm:params:oauth:grant-type:apikey'})

mltoken = token_response.json()["access_token"]

header = {'Content-Type': 'application/json', 'Authorization': 'Bearer ' + mltoken}

NOTE: manually define and pass the array(s) of values to be scored in the next line

payload_scoring = {"input_data": [{"fields": [array_of_input_fields], "values": [array_of_values_to_be_scored, another_array_of_values_to_be_scored]}]}

```
response_scoring = requests.post('https://us-south.ml.cloud.ibm.com/ml/v4/deployments/cbc0e58e-0b2c-4ce7-884b-0a602d282d57/predictions?version=2022-11-16', json=payload_scoring,
 headers={'Authorization': 'Bearer ' + mltoken})
print("Scoring response")
print(response_scoring.json())
```

Space created on cloud and model successfully deployed.