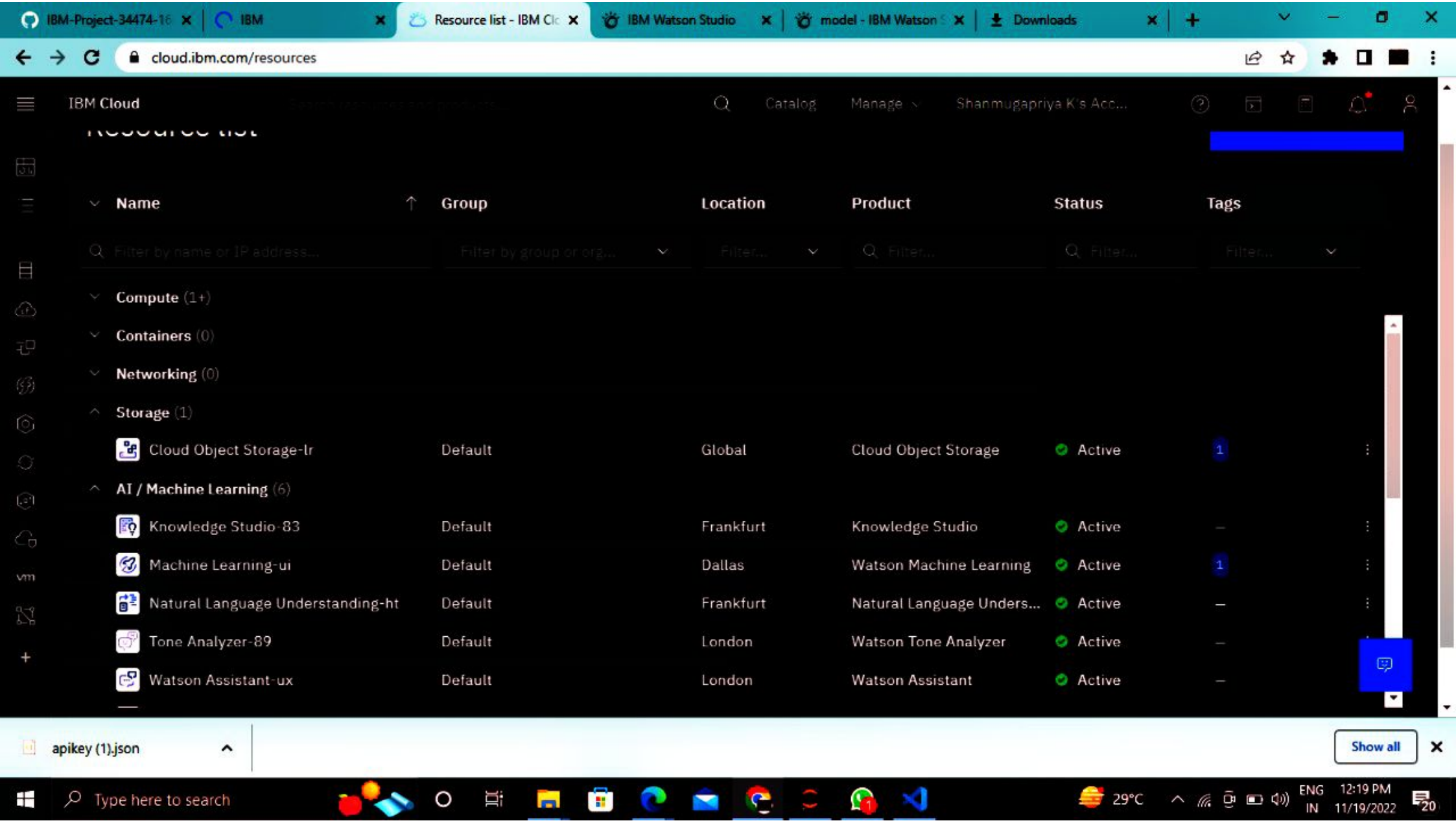
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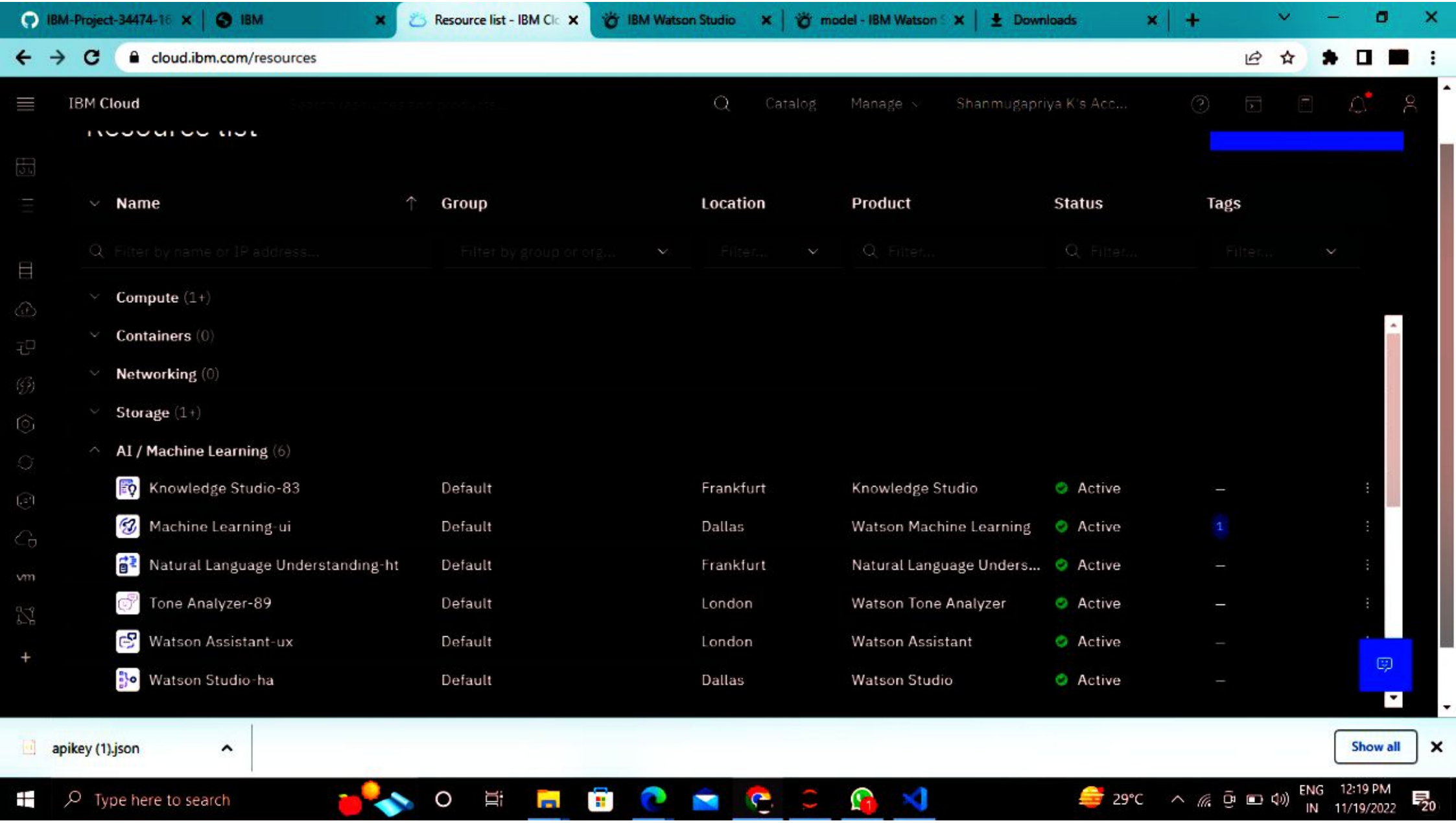
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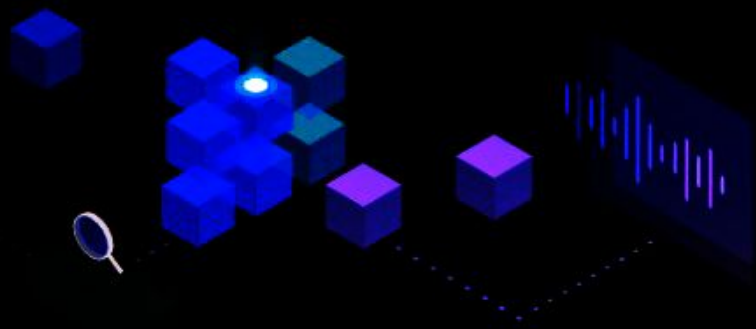

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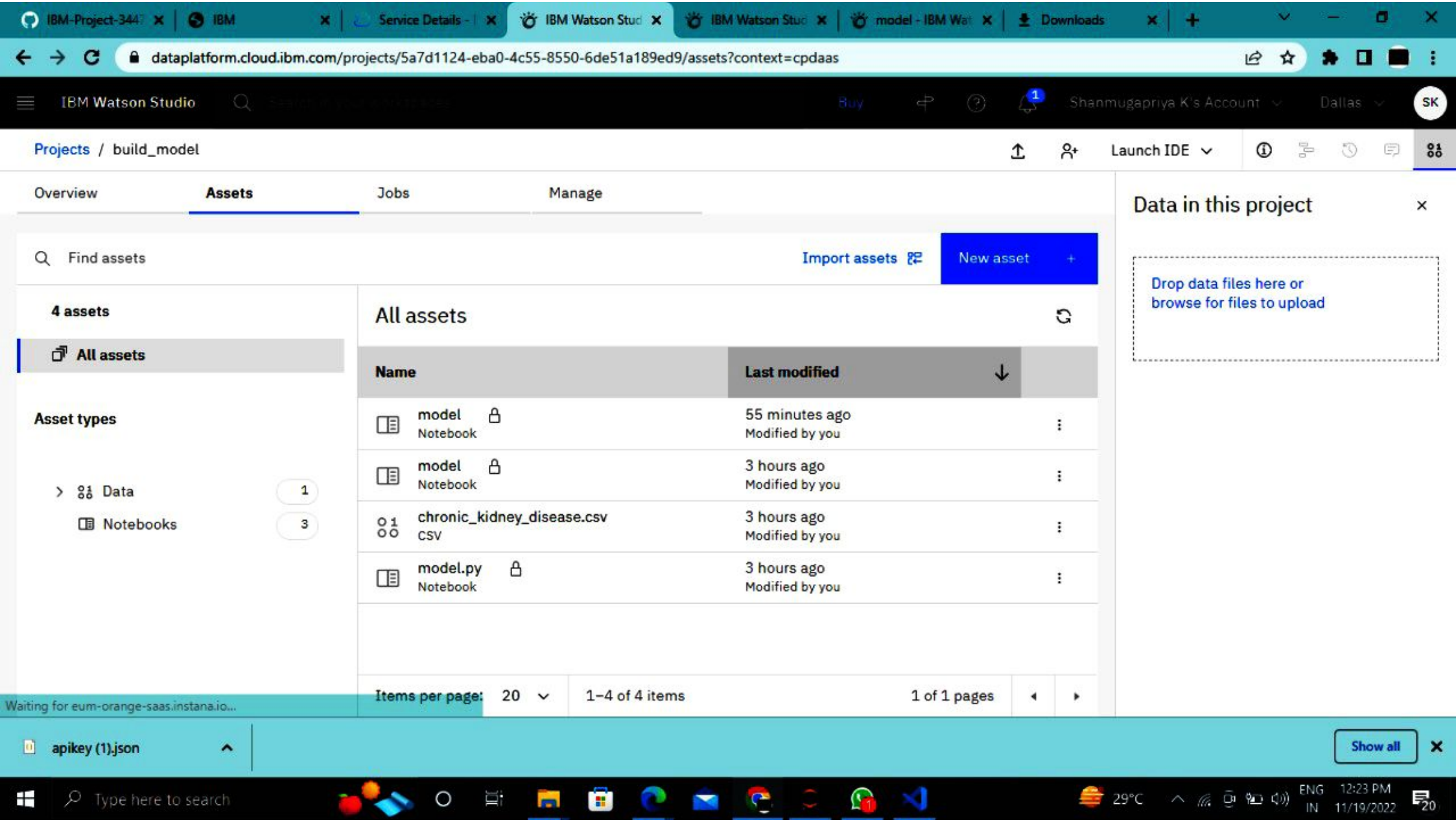
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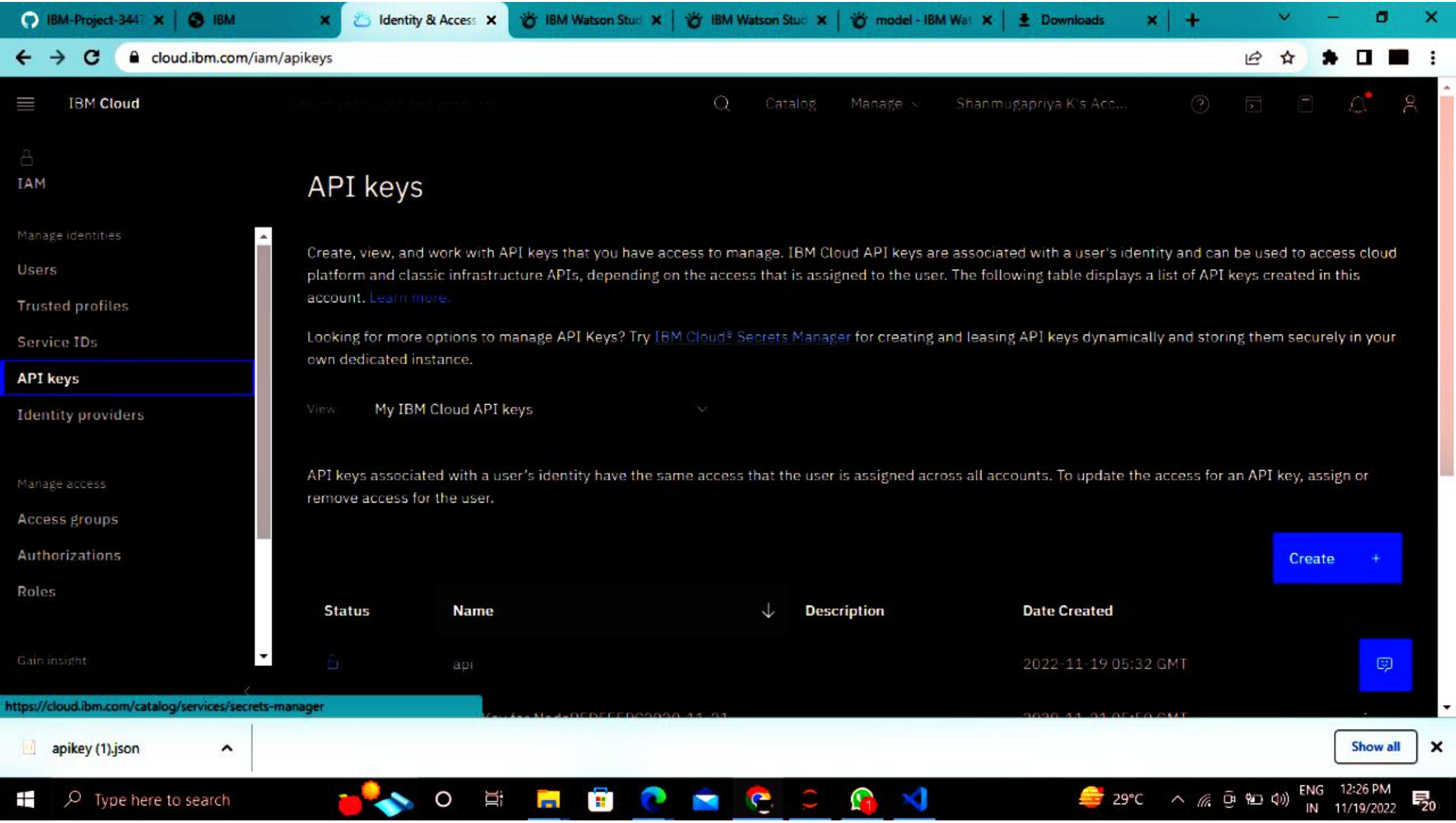
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```
Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in /opt/conda/envs/Python-3.9/lib/python3.9/site-packages (from packaging->ibm-watson-machine-learning) (3.0.4)
```

In [18]:
```
from ibm_watson_machine_learning import APIClient
```

In [19]:
```
wml_credentials = {
    "apikey":"JFJ6e_6Uq01A3Uc_srAhGnfDjQOoGlqb0aTSvdZ1SFRB",
    "url":"https://us-south.ml.cloud.ibm.com"
}
```

In [21]:
```
wml_client = APIClient(wml_credentials)
wml_client.spaces.list()
```

```
Note: 'limit' is not provided. Only first 50 records will be displayed if the number of records exceed 50
------------------------------------  ----------------------  ------------------------
ID                                    NAME                    CREATED
713d0a02-a1f4-40ff-a8a5-424f8f5a3e2d  model_deploy            2022-11-19T05:46:02.076Z
d8784e67-84e3-4ecd-aff1-192cd118b29a  machine learning model  2020-12-28T07:12:03.175Z
------------------------------------  ----------------------  ------------------------
```

In [22]:
```
space_id = "713d0a02-a1f4-40ff-a8a5-424f8f5a3e2d"
```

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```
runtime-22.1-py3.9              12b83a17-24d8-5082-900f-0ab31fbfd3cb  base
scikit-learn_0.22-py3.6         154010fa-5b3b-4ac1-82af-4d5ee5abbc85  base
default_r3.6                    1b70aec3-ab34-4b87-8aa0-a4a3c8296a36  base
pytorch-onnx_1.3-py3.6          1bc6029a-cc97-56da-b8e0-39c3880dbbe7  base
kernel-spark3.3-r3.6            1c9e5454-f216-59dd-a20e-474a5cdf5988  base
```

In [25]:
```
MODEL_NAME = 'DemoModel'
DEPLOYMENT_NAME = 'demo_deploy'
DEMO_MODEL = RandomForest
```

In [26]:
```
software_spec_uid = wml_client.software_specifications.get_id_by_name('runtime-22.1-py3.9')
```

In [27]:
```
model_props = {
    wml_client.repository.ModelMetaNames.NAME: MODEL_NAME,
    wml_client.repository.ModelMetaNames.TYPE: 'scikit-learn_1.0',
    wml_client.repository.ModelMetaNames.SOFTWARE_SPEC_UID: software_spec_uid
}
```

In [28]:
```
model_details = wml_client.repository.store_model(
    model=DEMO_MODEL,
    meta_props=model_props,
    training_data=X_train,
```

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