DEBIKA MUKHERJEE Batch Code-LISUM23 Submission date: 05/08/23 Submitted to- github

## Cloud and API deployment

1) I have used a pre-defined data called "load\_breast\_cancer". imported the data and saved it in pkl format

2) I have created a zip folder. Here for the deployment I have used AWS. Use boto3 to access the AWS.

```
import zipfile
# Create a zip file containing the model
with zipfile.ZipFile('model_package.zip', 'w') as z:
    z.write(model_filename)

import boto3
# Replace with your AWS credentials and region
aws_access_key = 'AKIAZARZIBAP755YKQHI'
aws_access_key = 'aKIAZARZIBAP755YKQHI'
aws_secret_key = 'bx_uqwc8s9U6mhrRgWZ++C18XeCE1arZJV4hYSTq'
region_name = 'eu-west-2'
bucket_name = 'debikam'
model_name = 'breast-cancer-model'
endpoint_name = 'breast-cancer-model'
endpoint_name = 'breast-cancer-endpoint'
# Upload the model package to S3
s3_client = boto3.client('s3', aws_access_key_id=aws_access_key, aws_secret_access_key=aws_secret_key, region_name=region_name)
s3_client.upload_file('model_package.zip', bucket_name, 'model_package.zip')
```

3) Deployment method and connected to the AWS.

I was facing problem to create the docker image so I used the default URL.