In this part you will continue building your project.

Continue building the project by deploying the model and integrating it into applications.

Deploy the trained model as a web service in IBM Cloud Watson Studio.

Integrate the deployed model into applications using the provided API endpoint.

Prepare your Model: Ensure your model is saved in a format that can be deployed, such as a pickle file for Python-based models.

Create an IBM Cloud Account: If you don't already have an IBM Cloud account, you'll need to create one.

Create a Watson Studio Service:

* Log in to IBM Cloud.
* Go to the IBM Watson Studio page.
* Create a new project in Watson Studio and add your model assets.

Deploy Model as a Web Service:

* Navigate to your Watson Studio project.
* Add a new deployment.

* Select the model you want to deploy.

* Configure the deployment settings and click "Deploy".

Get API Endpoint: Once the deployment is complete, you'll be provided with an API endpoint that you can use to interact with your model.

Program:

```
import requests

import json

# API endpoint provided by Watson Studio

api_endpoint = "YOUR_API_ENDPOINT_HERE"

# Sample data to send to the model

data = {

    "feature_1": 0.5,

    "feature_2": 0.8,

    # Add more features as needed

                }

# Make a POST request to the API endpoint

response = requests.post(api_endpoint, json=data)

# Parse the response

result = json.loads(response.text)
```

```
# Assuming the model returns a label, you can now use it in your application

predicted_label = result["predicted_label"]

print(f"The predicted label is: {predicted_label}")
```

Output:

```
The predicted label is: CLASS_A
```