

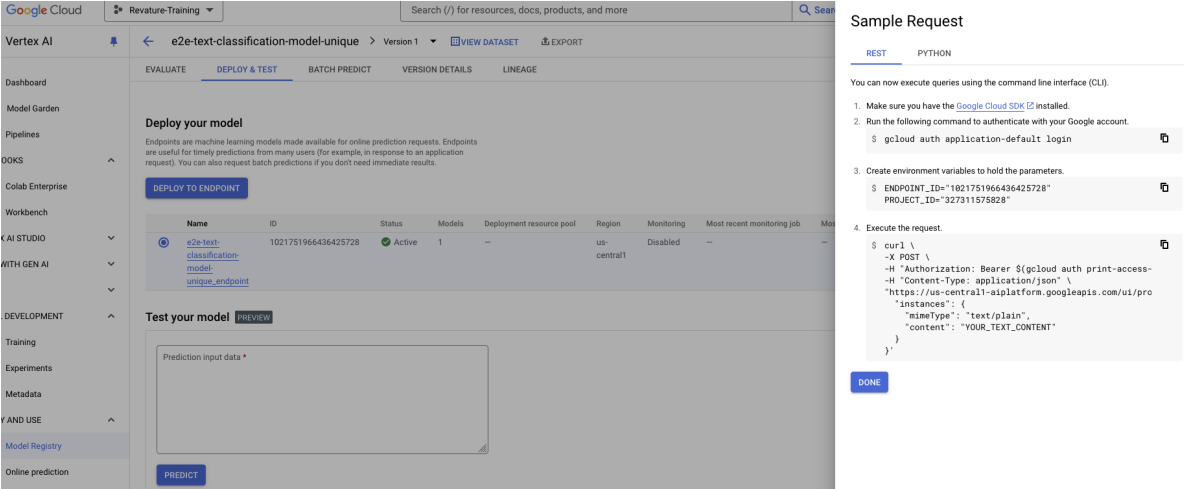
# REST API Assignment

Build REST API for the following. You can use the similar setup for FASTAPI in the todolist or day4 folder in the repo.

1. /welcome - Create a GET API and respond back with a JSON message like this  
`{"message": "Training Project"}`
2. /sentence -  
Create POST API,  
Get body as `{"sentence": "<user-input>"}`

call the Vertex model API from the service and get the results and respond back to the API.

The REST API details to access the model can be viewed like this



The screenshot displays the Google Cloud Vertex AI console interface. The main panel shows the 'Deploy & Test' tab for a model named 'e2e-text-classification-model-unique'. A table lists the deployment with ID '1021751966436425728', status 'Active', and region 'us-central1'. Below the table, there is a 'Test your model' section with a 'PREDICT' button. To the right, a 'Sample Request' panel shows a REST API request for a POST method. The request includes an Authorization header with a Bearer token and a JSON body containing a 'sentence' field.

**Sample Request**

REST PYTHON

You can now execute queries using the command line interface (CLI).

1. Make sure you have the [Google Cloud SDK](#) installed.
2. Run the following command to authenticate with your Google account.  

```
$ gcloud auth application-default login
```
3. Create environment variables to hold the parameters.  

```
$ ENDPOINT_ID="1021751966436425728"
$ PROJECT_ID="327311575828"
```
4. Execute the request.  

```
$ curl \
-X POST \
-H "Authorization: Bearer $(gcloud auth print-access-token)" \
-H "Content-Type: application/json" \
"https://us-central1-aiplatform.googleapis.com/v1/projects/$PROJECT_ID/locations/us-central1/endpoints/$ENDPOINT_ID/predict" \
-d '{"sentence": "YOUR_TEXT_CONTENT"}'
```

**DONE**