Installing the GCP CLI tool

https://cloud.google.com/sdk/docs/install

Some docker util commands

docker build -t iris_model .
docker run -d -p 8080:8080 iris_model
docker ps
docker logs <container_id>
docker stop <container_id>
docker rm <container_id>
docker rmi iris_model

Some gcloud util commands

gcloud init
gcloud login
gcloud projects list
gcloud projects create haruiz-uao-iris-project --name="Iris Model AI Project" --enable-cloud-apis
gcloud config set project haruiz-uao-iris-project
gcloud config list

Enable required APIS

gcloud services enable artifactregistry.googleapis.com
gcloud services enable artifactregistry.googleapis.com
gcloud services enable cloudbuild.googleapis.com
gcloud services enable run.googleapis.com

Enable billing project

gcloud alpha billing accounts list
gcloud alpha billing projects link haruiz-uao-iris-project --billing-account <BILLING ACCOUNT ID>

Submit docker image to GCP Artifact Registry
https://cloud.google.com/build/docs/building/build-containers

gcloud auth configure-docker
gcloud artifacts repositories list
gcloud artifacts repositories create iris-project-images --repository-format=docker --location=us-west2 --description="Iris Project Docker repository"

```
  gcloud builds submit --tag
us-west2-docker.pkg.dev/haruiz-uao-iris-project/iris-project-images/backend
```

```
  gcloud builds submit --tag
us-west2-docker.pkg.dev/haruiz-uao-iris-project/iris-project-images/frontend
```

```
gcloud artifacts docker images list
us-west2-docker.pkg.dev/haruiz-uao-iris-project/iris-project-images
```

Deploy application

```
gcloud run deploy iris-model-api --image
us-west2-docker.pkg.dev/haruiz-uao-iris-project/iris-project-images/backend --port 8080
```

```
gcloud run deploy iris-model-ui --image
us-west2-docker.pkg.dev/haruiz-uao-iris-project/iris-project-images/frontend --port 8501
--update-env-vars API_ENDPOINT=https://iris-model-api-pv2tsnblia-uc.a.run.app
```

or

```
gcloud run services update iris-model-ui --update-env-vars
API_ENDPOINT=https://iris-model-api-pv2tsnblia-uc.a.run.app
```

```
gcloud run services list
```