**Deploy ML Flask App in Google Cloud Platform (GCP):**

**Step to create flask app in local:**

1. Create flask app as main.py
2. Create templates, static folder.
3. Create requirements.txt file having all dependencies.
4. Create app.yaml file for deployment.
5. Test your flask in local.

**Steps to deploy ML Flask App in Google Cloud Platform (GCP):**

1. Sign Up or Sign In with you Google Account.
2. Make a project with GCP or select the existing projects.

<https://console.cloud.google.com/getting-started>

1. Create an App Engine and note the project id.
2. Install Google Cloud SDK.

<https://cloud.google.com/sdk/docs/quickstart-windows>

1. After SDK installation, go to your flask app folder.
2. Open the SDK and change the directory to flask app folder.
3. To initialize the SDK:

Run the following at a command prompt:

gcloud init

1. Accept the option to log in using your Google user account:

To continue, you must log in. Would you like to log in (Y/n)? Y

In your browser, log in to your Google user account when prompted and click Allow to grant permission to access Google Cloud Platform resources.

1. At the command prompt, select a Cloud Platform project from the list of those where you have Owner, Editor or Viewer permissions:

Pick cloud project to use:

[1] [my-project-1]

[2] [my-project-2]

...

Please enter your numeric choice:

If you only have one project, gcloud init selects it for you.

If you have the Google Compute Engine API enabled, gcloud init allows you to choose a default Compute Engine zone:

Which compute zone would you like to use as project default?

[1] [asia-east1-a]

[2] [asia-east1-b]

...

[14] Do not use default zone

Please enter your numeric choice:

gcloud init confirms that you have complete the setup steps successfully:

gcloud has now been configured!

You can use [gcloud config] to change more gcloud settings.

Your active configuration is: [default]

1. Deploy the flask-app using this command:

gcloud app deploy app.yaml --project PROJECTNAME

1. After deployment click ‘y’ to continue the process.