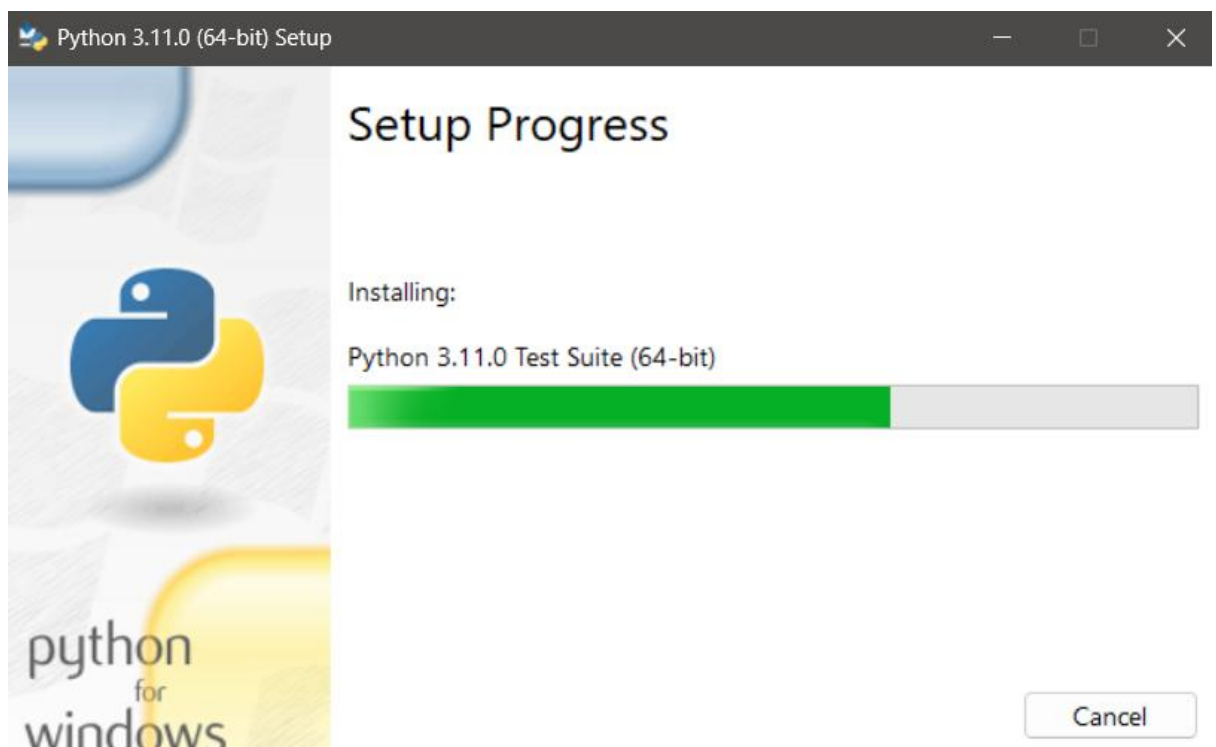
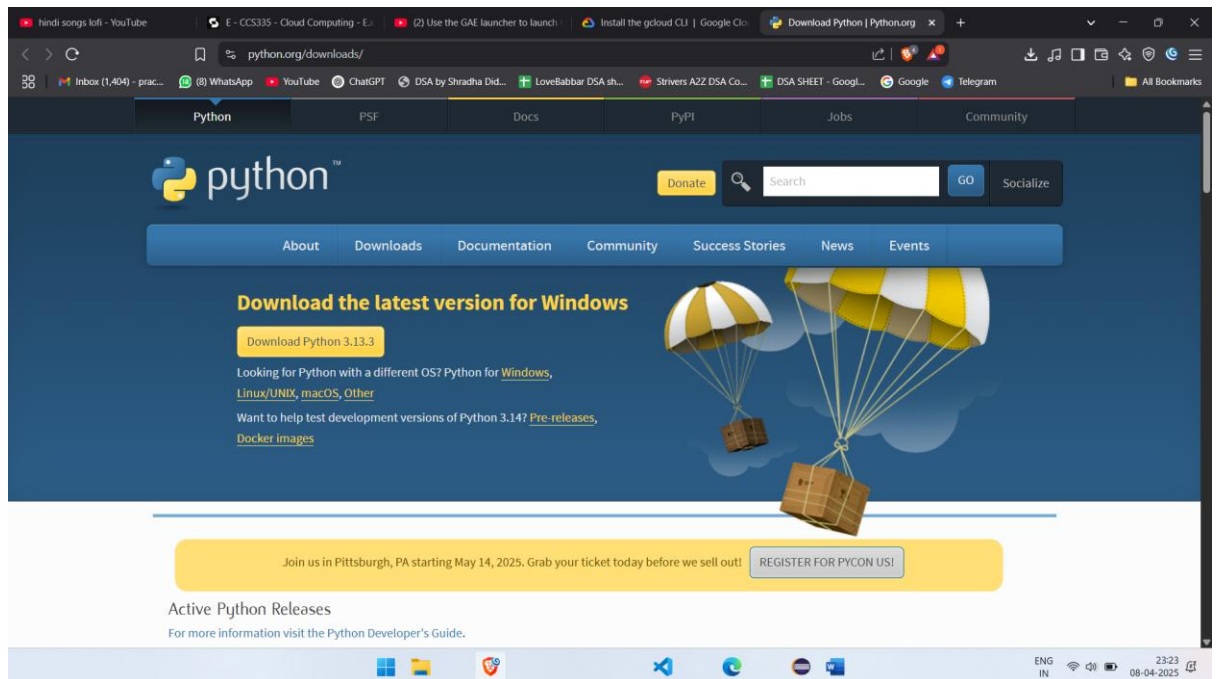
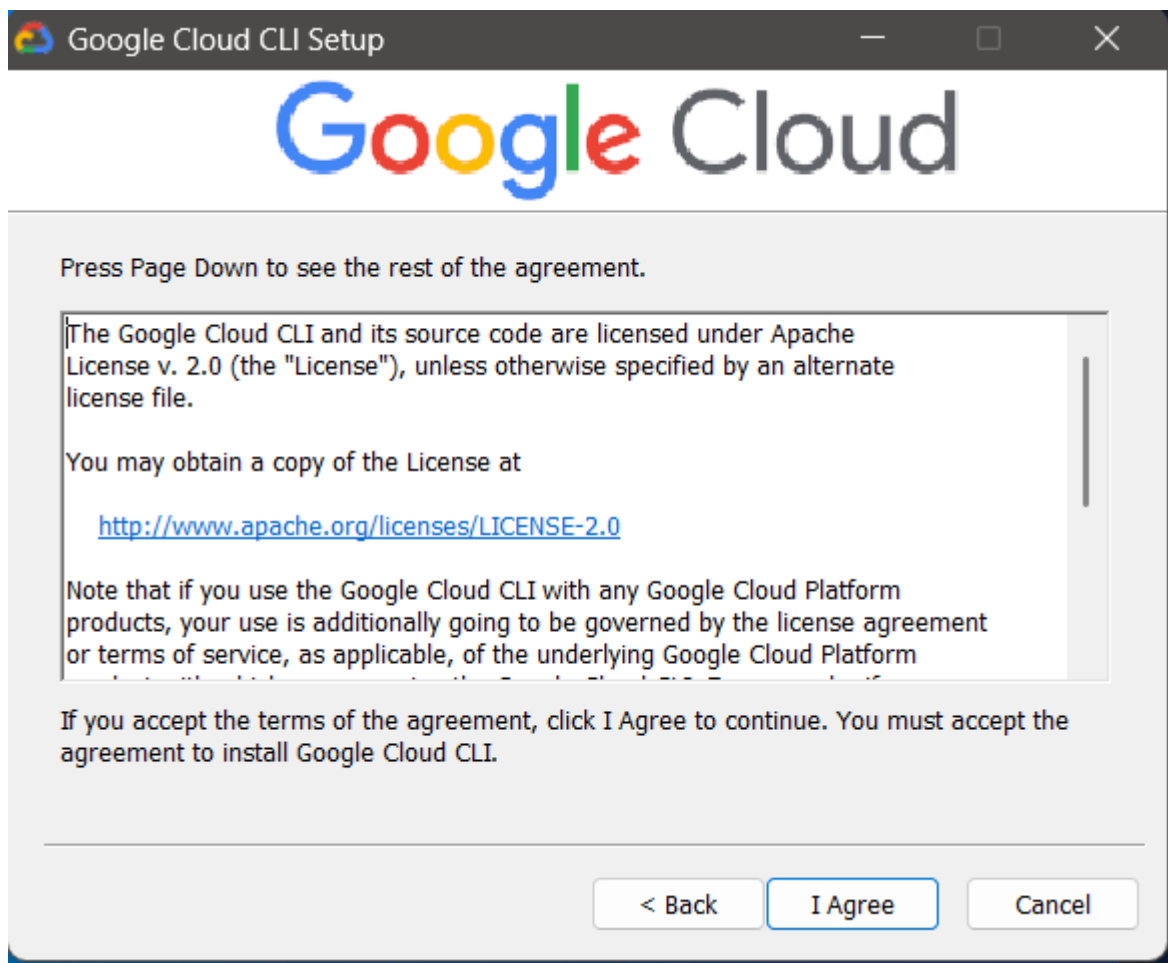
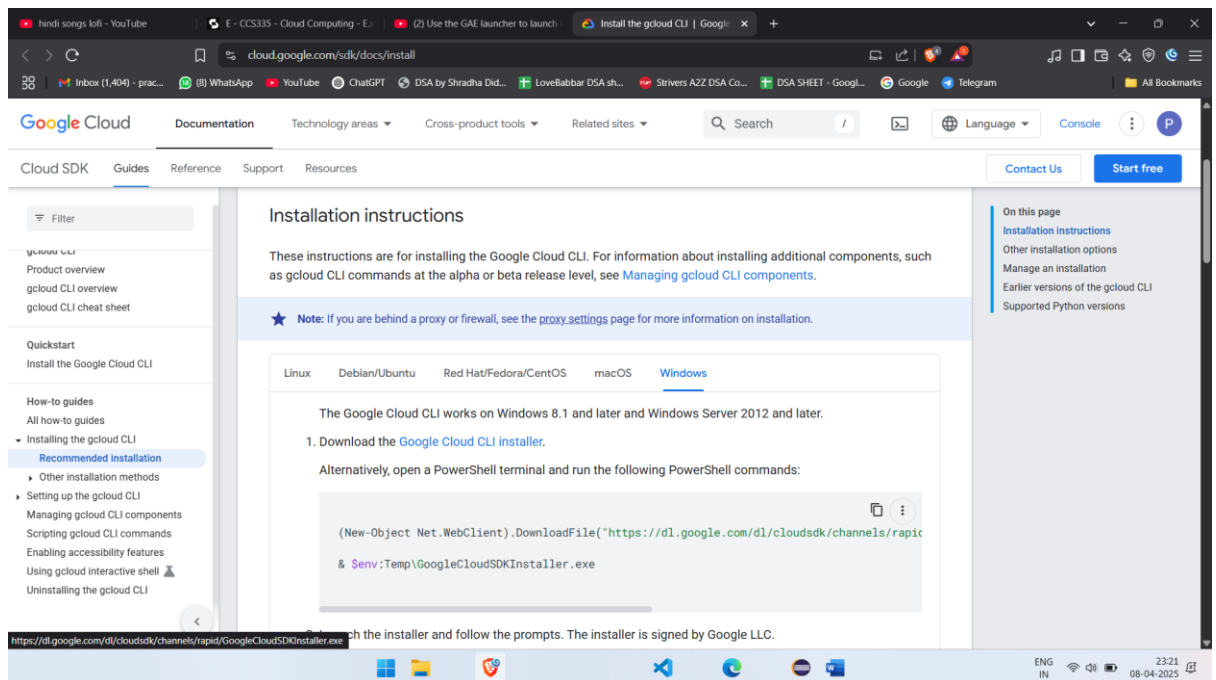


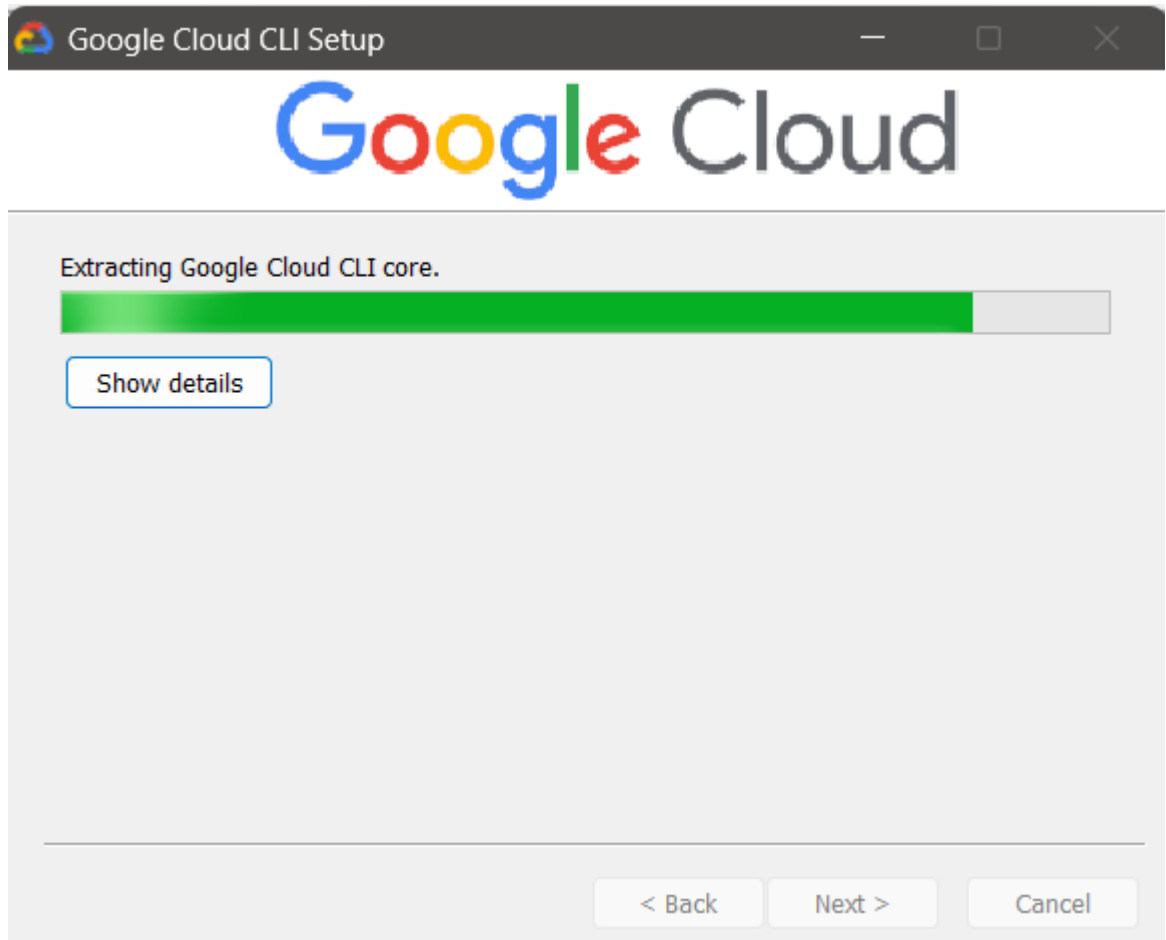
## To use GAE launcher to launch the web applications

1. If you don't already have Python 2.7 installed in your computer, download and install Python



## 2. Install GCloud SDK :





Launch the GCloud shell and run `gcloud init` to initialize gcloud.

```
C:\WINDOWS\SYSTEM32\cmd.exe - gcloud init
Welcome to the Google Cloud CLI! Run "gcloud -h" to get the list of available commands.
---
Welcome! This command will take you through the configuration of gcloud.

Your current configuration has been set to: [default]

You can skip diagnostics next time by using the following flag:
  gcloud init --skip-diagnostics

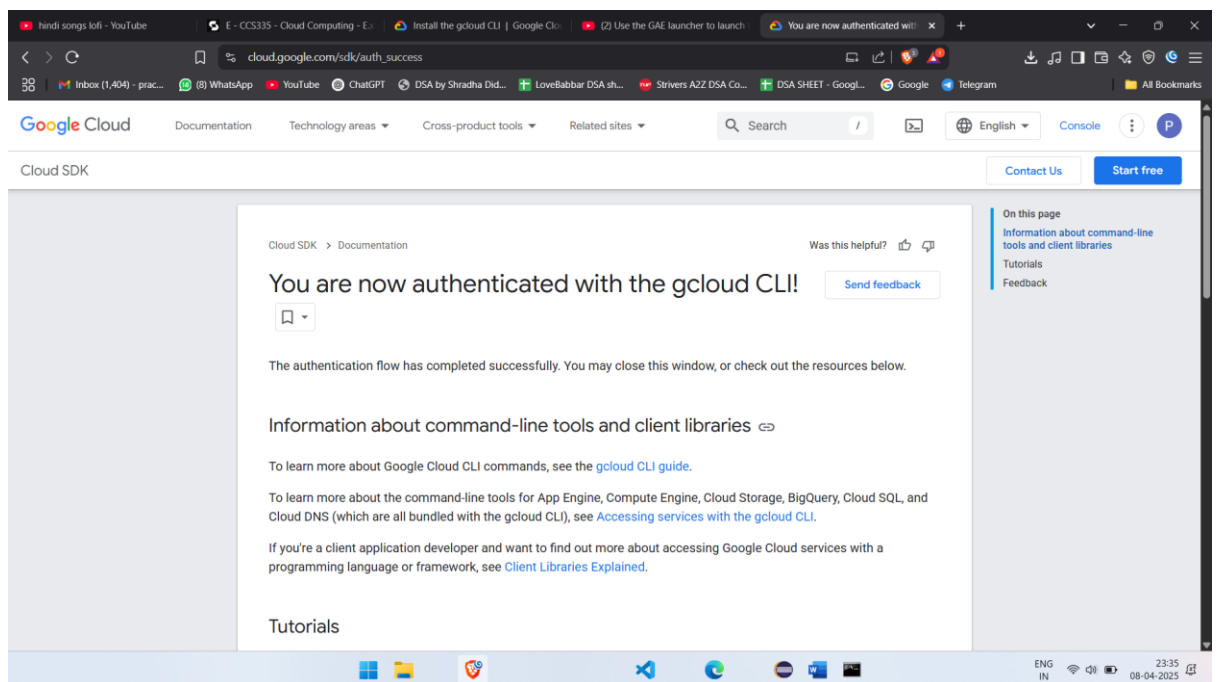
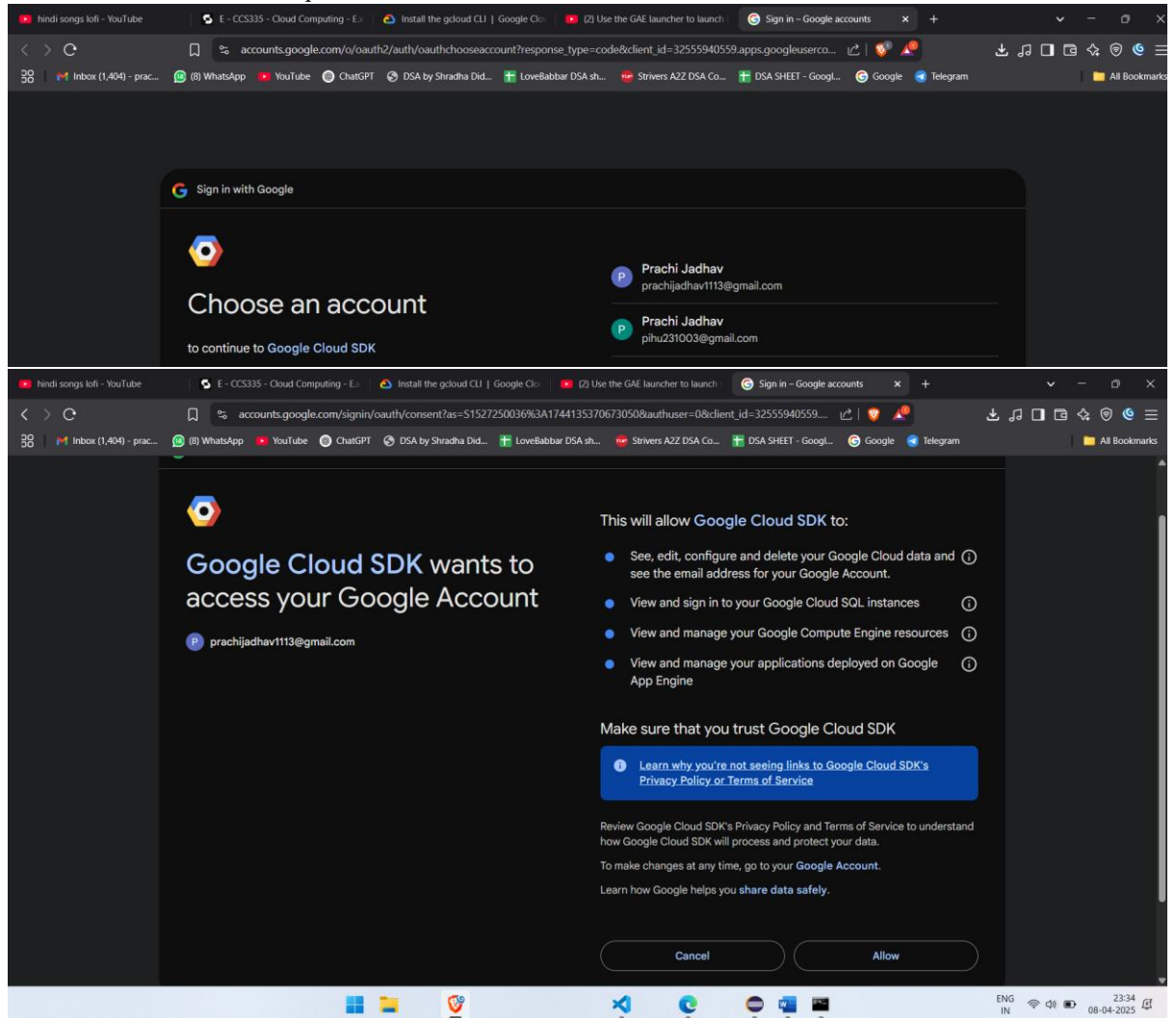
Network diagnostic detects and fixes local network connection issues.
Checking network connection...done.
Reachability Check passed.
Network diagnostic passed (1/1 checks passed).

You must sign in to continue. Would you like to sign in (Y/n)? Y

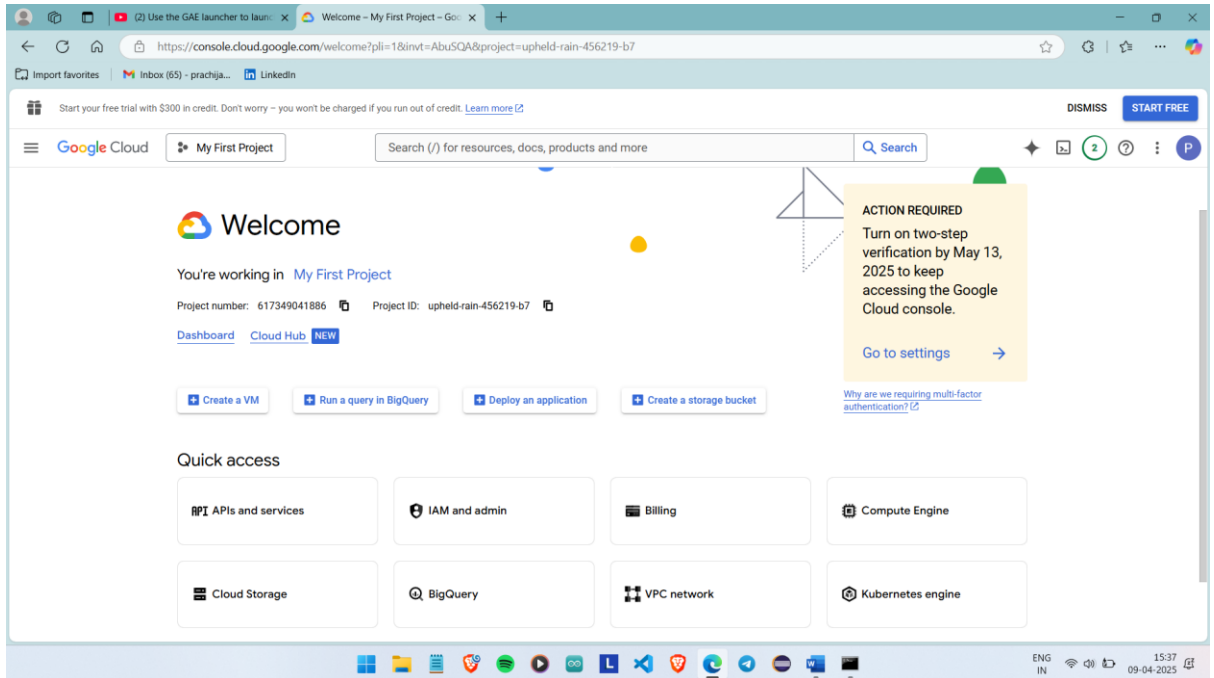
Your browser has been opened to visit:

  https://accounts.google.com/o/oauth2/auth?response_type=code&client_id=32555940559.apps.googleusercontent.com&redire
ct_uri=http%3A%2F%2Flocalhost%3A8085%2F&scope=openid+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fuserinfo.email+https%3A%2
F%2Fwww.googleapis.com%2Fauth%2Fcloud-platform+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fappengine.admin+https%3A%2F%2Fw
ww.googleapis.com%2Fauth%2Fsqlservice.login+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcompute+https%3A%2F%2Fwww.googlep
is.com%2Fauth%2Faccounts.reauth&state=M0bBJJ9Y0jVWIRNbqZCZlkjznDVe2&access_type=offline&code_challenge=EzpYrmwjyJhyozov
xdVsKaBh3UgB3XdLHVZns055_ew&code_challenge_method=S256
```

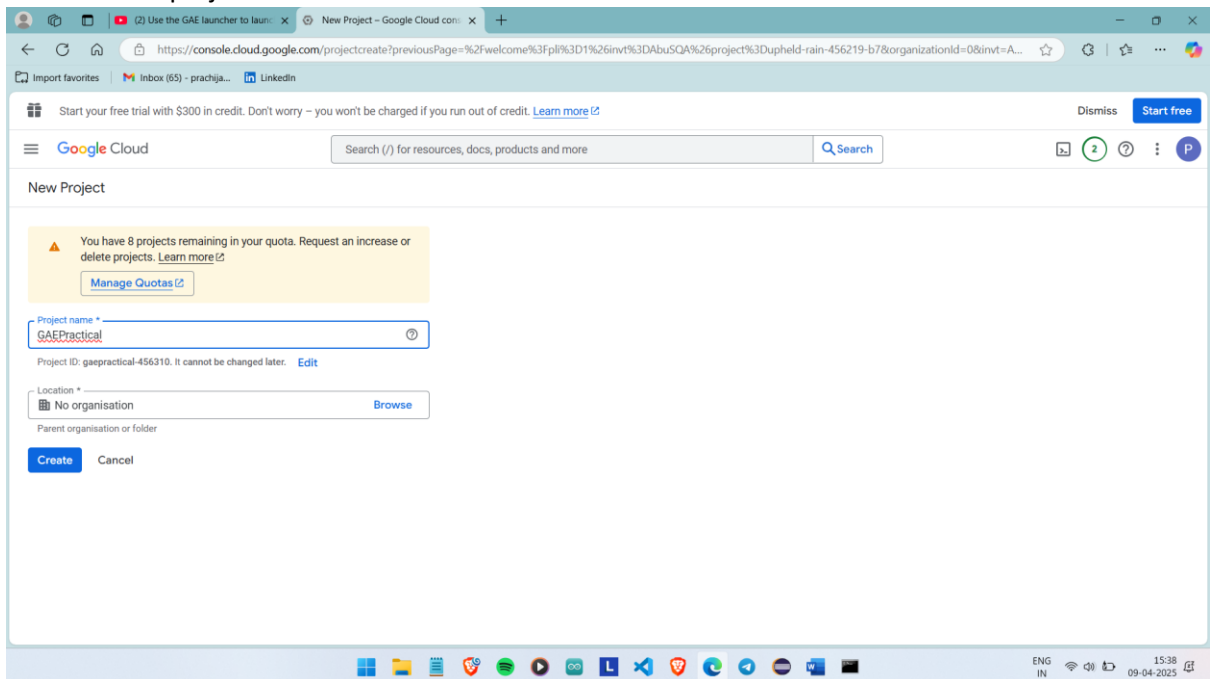
Authorization window will open



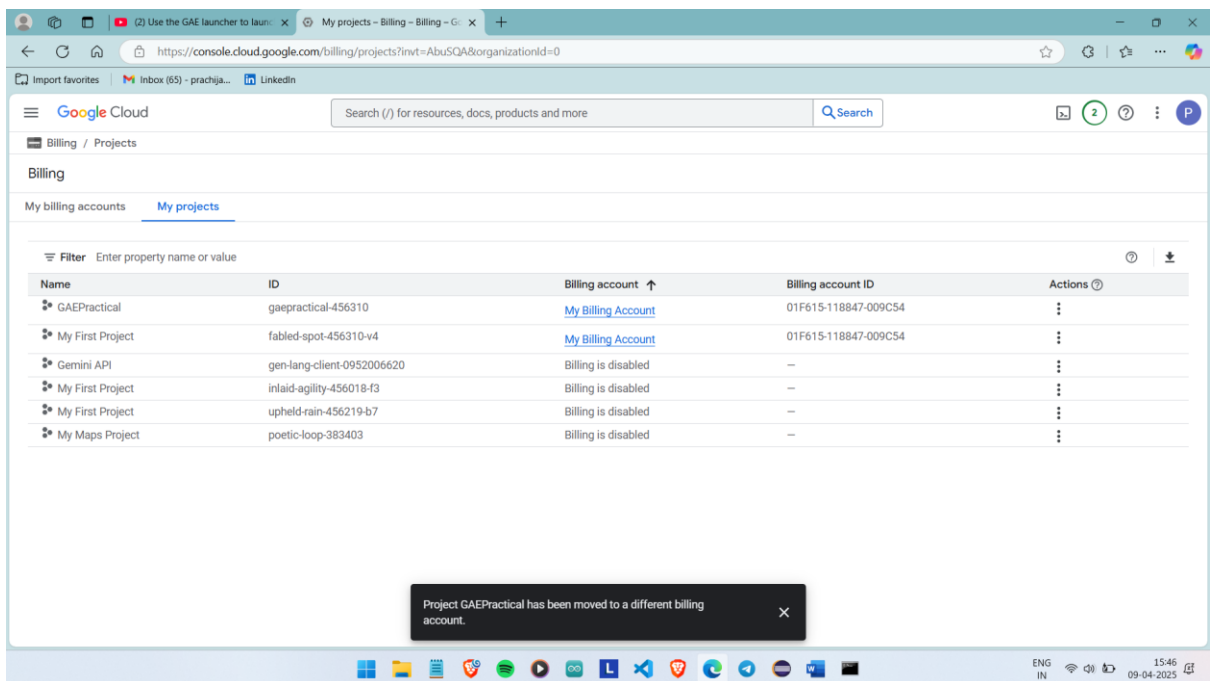
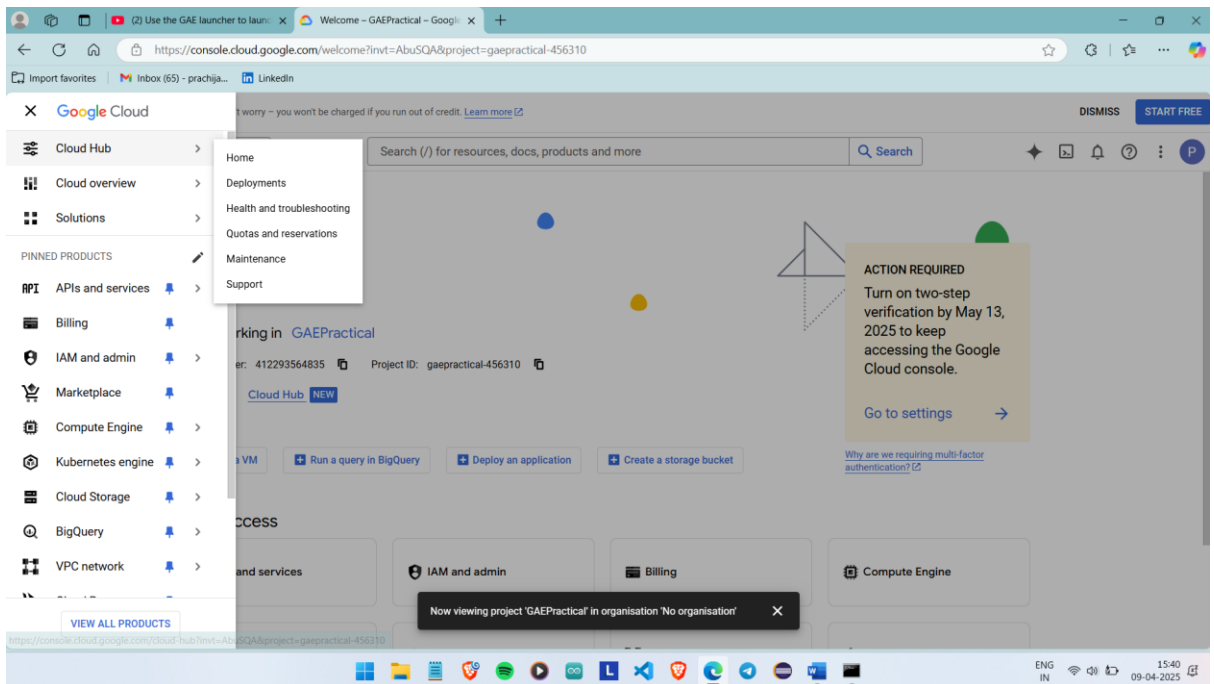
## Go to console



## Create a new project in it



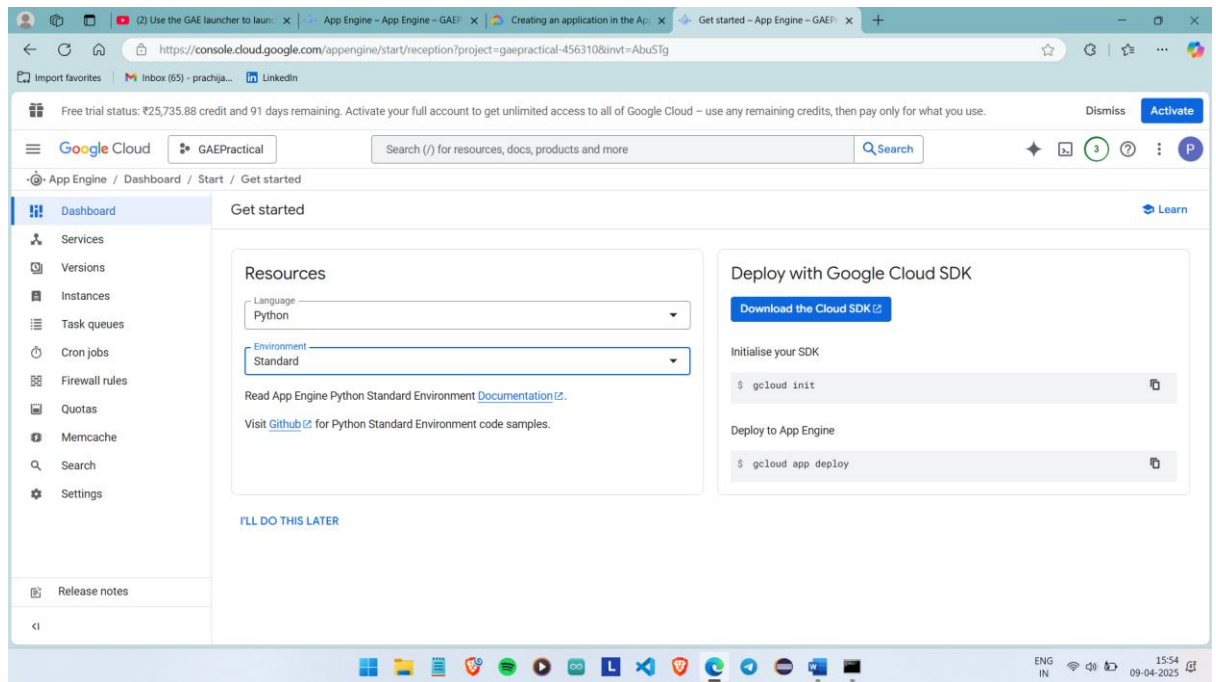
## Create a billing account



Select 2<sup>nd</sup> option







Google auth login  
gcloud projects list  
gcloud config set project poetic-loop-383403-456806

```
Administrator: Google Cloud SDK Shell
Welcome to the Google Cloud CLI! Run "gcloud -h" to get the list of available commands.

C:\Windows\System32>gcloud auth login
Your browser has been opened to visit:
https://accounts.google.com/o/oauth2/auth?response_type=code&client_id=32555940559.apps.googleusercontent.com&redirect_uri=http%3A%2F%2Flocalhost%3A8080%2F&scope=openid+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fuserinfo.email+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcloud-platform+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fappengine.admin+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fsqlservice.login+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcompute+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Faccounts.reauth&state=uhY6pbEwhEh1c19BA9UEQKYPp2XPt&access_type=offline&code_challenge=SPqKuGz1FR_y7VALGhZicZkMwB2uZwoLNTmRMWJrIw&code_challenge_method=S256

You are now logged in as [prachijadhav113@gmail.com].
Your current project is [None]. You can change this setting by running:
$ gcloud config set project PROJECT_ID

C:\Windows\System32>gcloud projects list
PROJECT_ID      NAME                PROJECT_NUMBER
tabled-spot-456310-v4  My First Project   538016584753
gaepractical1-456310  GAEPractical      412293564835
gem-lang-client-0952006620  Gemini API         1034581385990
inlaid-agility-456018-f3  My First Project   755637114805
poetic-loop-383403     My Maps Project    1041736635240
poetic-loop-383403-456806 poetic-loop-383403  565992413016
upheld-rain-456219-b7  My First Project    617349041886

C:\Windows\System32>gcloud config set project poetic-loop-383403-456806
Updated property [core/project].
```

```
"Users\prach\Downloads\appEngine\appEngine\gcloud projects add-iam-policy-binding poetic-loop-383403-456806 --member="serviceAccount:poetic-loop-383403-456806@appspot.gserviceaccount.com" --role="roles/storage.admin"
Updated IAM policy for project [poetic-loop-383403-456806].
bindings:
- members:
  - serviceAccount:service-565992413016@gcp-gae-service.iam.gserviceaccount.com
  role: roles/appengine.serviceAgent
- members:
  - serviceAccount:service-565992413016@gcp-sa-artifactregistry.iam.gserviceaccount.com
  role: roles/artifactregistry.serviceAgent
- members:
  - serviceAccount:565992413016@cloudbuild.gserviceaccount.com
  role: roles/cloudbuild.builds.builder
- members:
  - serviceAccount:service-565992413016@gcp-sa-cloudbuild.iam.gserviceaccount.com
  role: roles/cloudbuild.serviceAgent
- members:
  - serviceAccount:565992413016-compute@developer.gserviceaccount.com
  - serviceAccount:poetic-loop-383403-456806@appspot.gserviceaccount.com
  role: roles/editor
- members:
  - serviceAccount:service-565992413016@gcp-sa-firestore.iam.gserviceaccount.com
  role: roles/firestore.serviceAgent
- members:
  - user:prachijadhav113@gmail.com
  role: roles/owner
- members:
  - serviceAccount:poetic-loop-383403-456806@appspot.gserviceaccount.com
  role: roles/storage.admin
etag: BwYyT3y_Krs=
version: 1
```



```

C:\Users\prach\Downloads\appEngine\appEngine>cloud app deploy
WARNING: You might be using automatic scaling for a standard environment deployment, without providing a value for automatic_scaling.max_instances. Starting from March, 2025, App Engine sets the automatic scaling maximum instances default for standard environment deployments to 20. This change doesn't impact existing apps. To override the default, specify the new max_instances value in your app.yaml file, and deploy a new version or redeploy over an existing version. For details on max_instances, see https://cloud.google.com/appengine/docs/standard/reference/app-yaml.md#scaling_elements.

Services to deploy:

Descriptor:
  source: [C:\Users\prach\Downloads\appEngine\appEngine\app.yaml]
  target project: [poetic-loop-383403-456806]
  target service: [default]
  target version: [20250414t122221]
  target url: [https://poetic-loop-383403-456806.uc.r.appspot.com]
  target service account: [poetic-loop-383403-456806@appspot.gserviceaccount.com]

Do you want to continue (Y/n)? Y

Beginning deployment of service [default]...
#=====#
# Uploading 0 files to Google Cloud Storage      =#
#=====#
File upload done.
Updating service [default]...done.
Setting traffic split for service [default]...done.
Deployed service [default] to [https://poetic-loop-383403-456806.uc.r.appspot.com]

You can stream logs from the command line by running:
  $ gcloud app logs tail -s default

To view your application in the web browser run:
  $ gcloud app browse

C:\Users\prach\Downloads\appEngine\appEngine>cloud app browse
Opening [https://poetic-loop-383403-456806.uc.r.appspot.com] in a new tab in your default browser.

C:\Users\prach\Downloads\appEngine\appEngine>

```

## Results:

