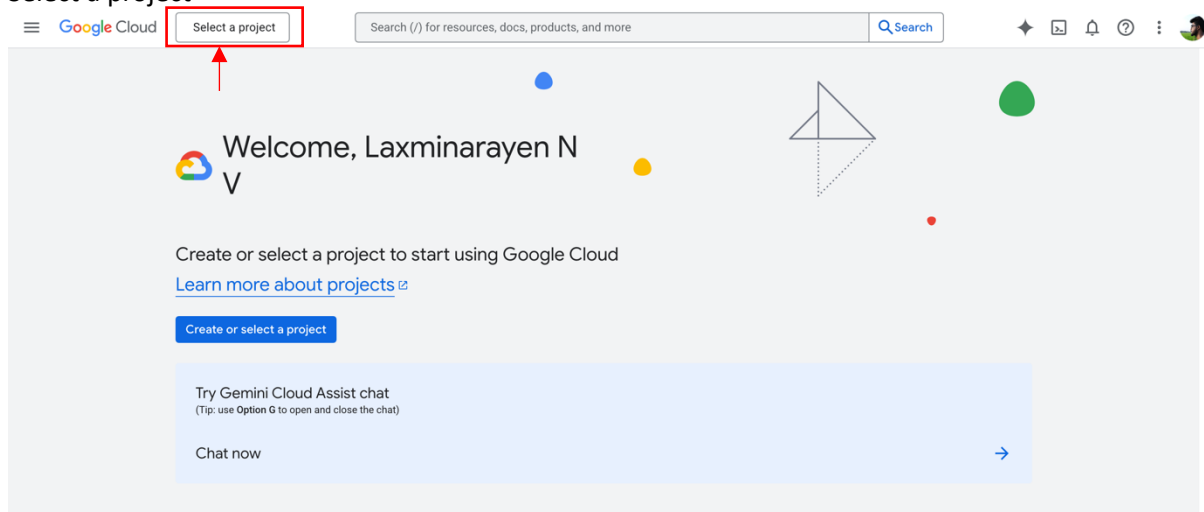


# Deploying in GCP

Go to your [console](#)

## 1. Creating new Project:

Select a project

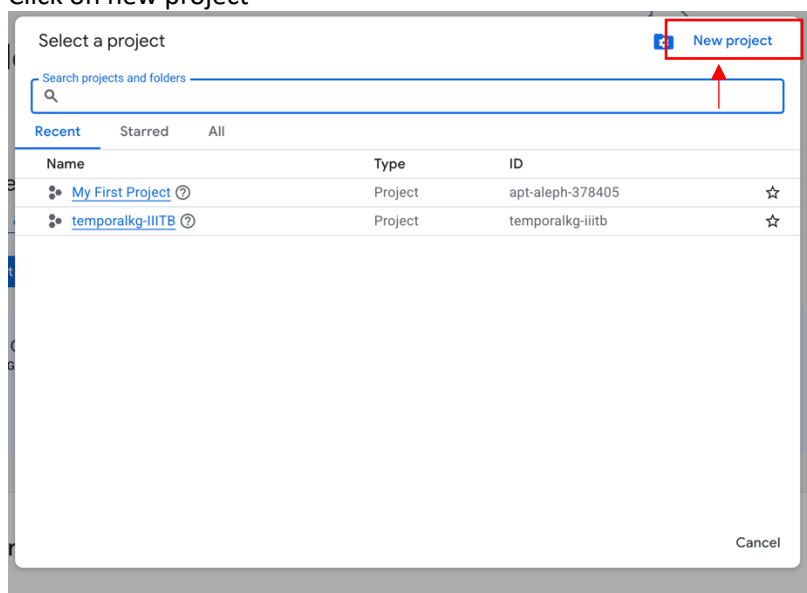


Recommended based on your interest in [Data, AI/ML](#)


Products



Click on new project




## New Project



You have 23 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)


[Manage Quotas](#)

Project name \*



Project ID: rich-tome-477706-n9. It cannot be changed later. [Edit](#)

Location \*

 No organization

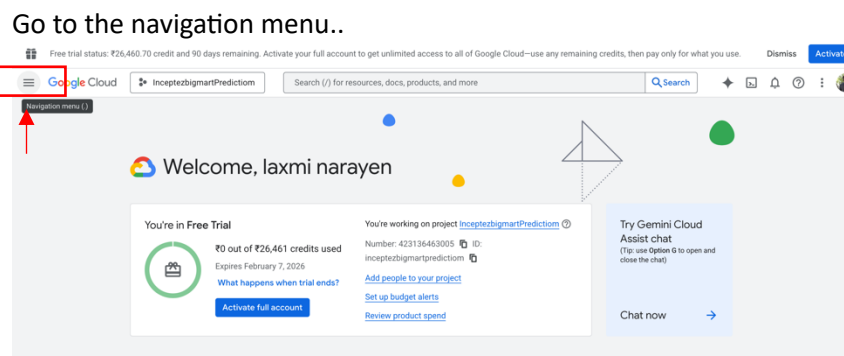
[Browse](#)

Parent organization or folder

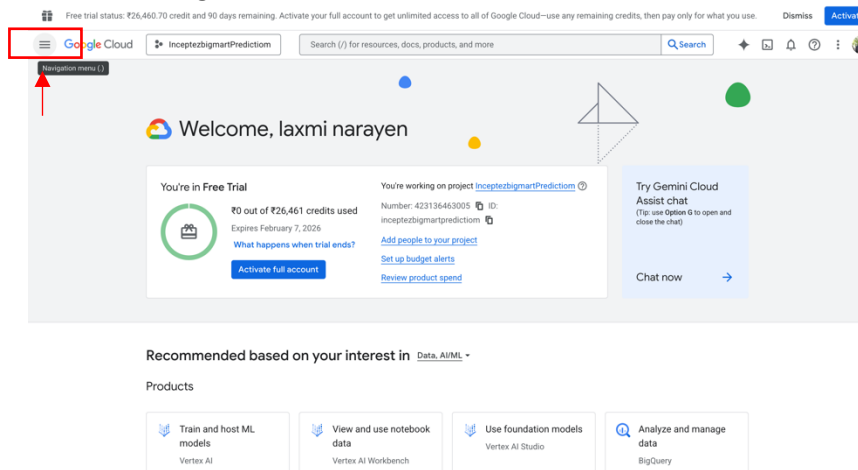
Create

Cancel

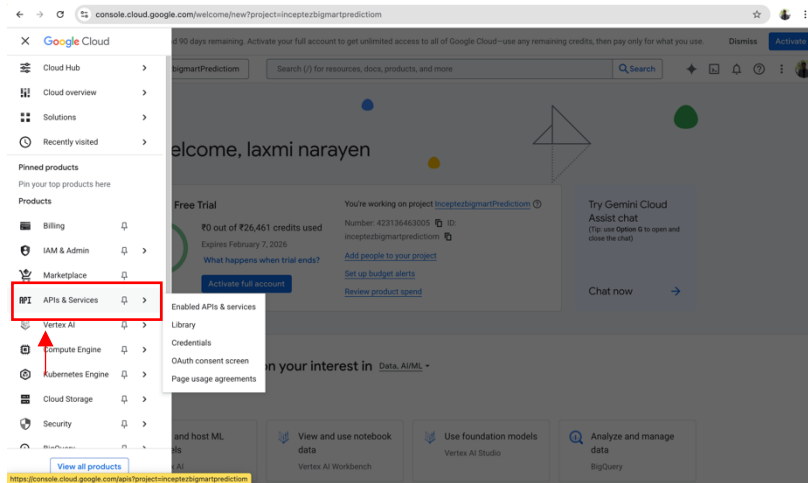
Once created select the project from the list of projects



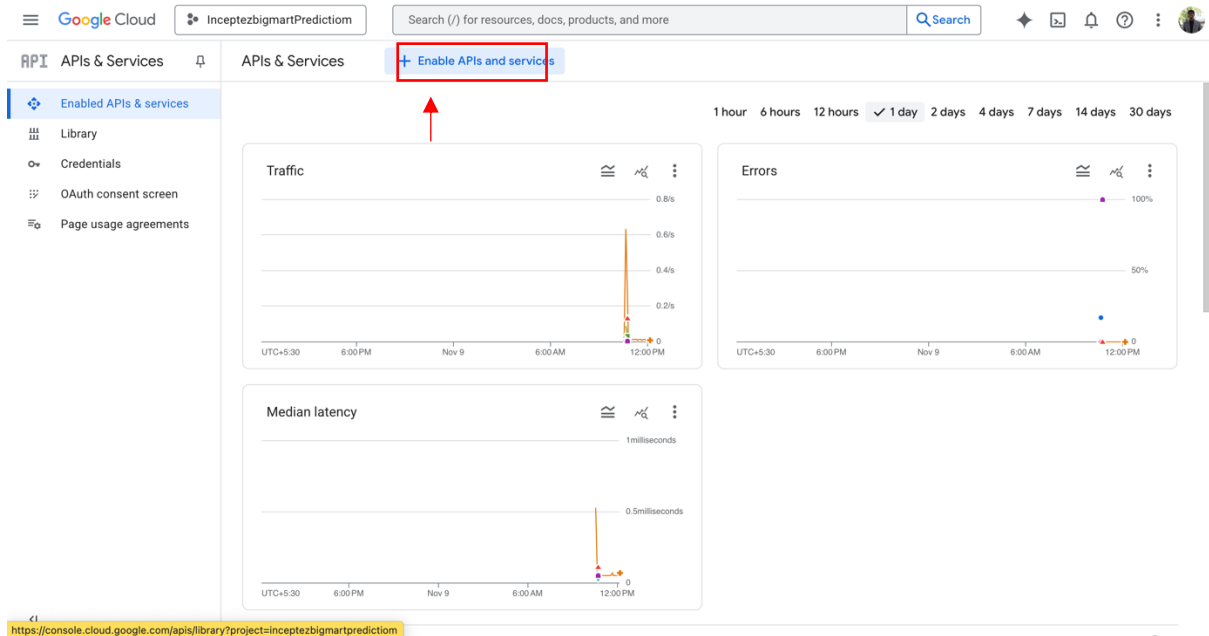
Go to the navigation menu..



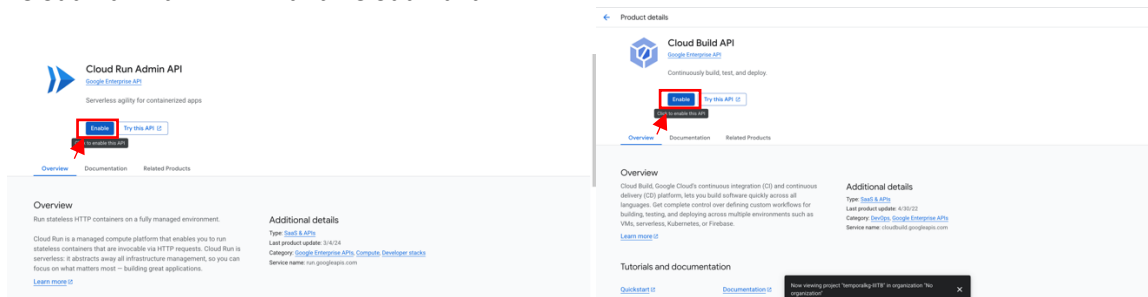
Go to API & services from the drop-down menu



Go to Enable APIs and Services and enable



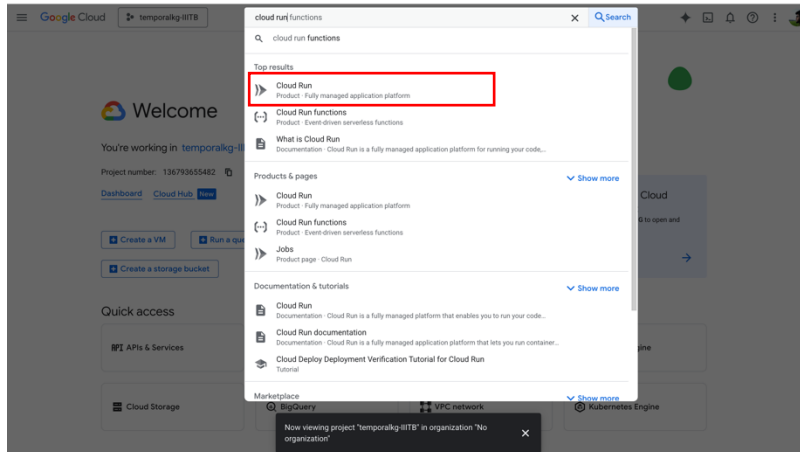
“Cloud Run Admin API” and “Cloud Build API”



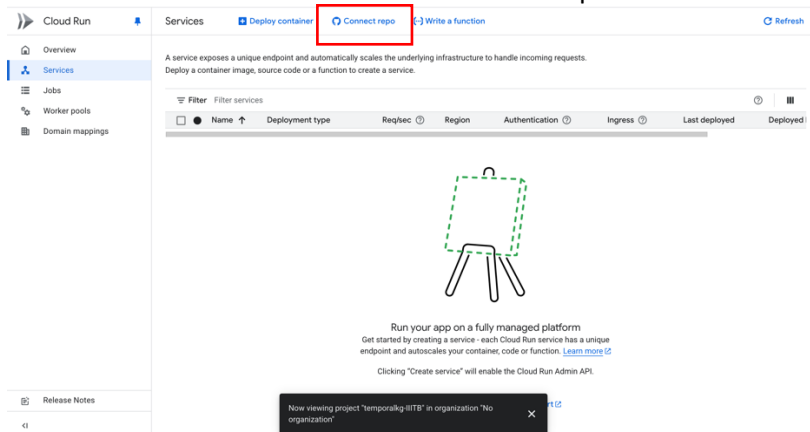
### 3. Deploy it from Github (Please note you need to have your project uploaded in github like this:

<https://github.com/Laxminarayan/Streamlit-Inceptez25>)

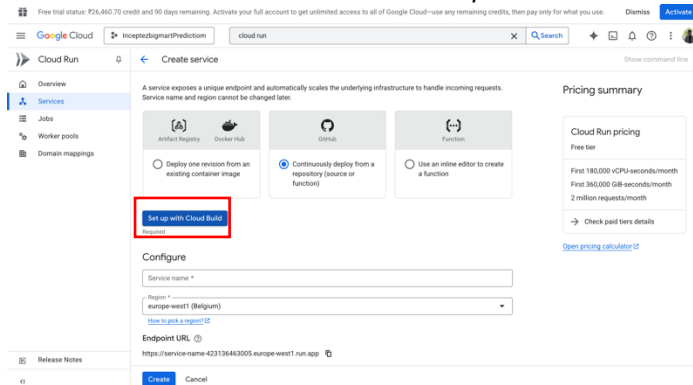
Search for cloud run and go to cloud run



On the cloud run dashboard click on Connect Repo



On the Create service tab.. Select “Setup with Cloud Build”



You will see authorize github and install cloud build or something select that and install cloud build only on selected repositories say “Selected repositories and only do select that repo where the code is”

Free trial status: ₹26,460.70 credit and 90 days remaining. Activate your full account to get unlimited.

Google Cloud InceptezbigmartPrediction cloud run

Cloud Run Create service

A service exposes a unique endpoint and automatically scales. Service name and region cannot be changed later.

Artifact Registry Docker Hub GitHub

Deploy one revision from an existing container image Continuously deploy new revisions (as a function)

Set up with Cloud Build Required

Configure

Service name \*

Region \* europe-west1 (Belgium) [How to pick a region?](#)

Endpoint URL [?](#) https://service-name-423136463005.europe-west1.run.app

Create Cancel

Set up with Cloud Build

With continuous deployment powered by Cloud Build, changes to your source repository are automatically built into container images in Artifact Registry and deployed to Cloud Run. Your code should listen for HTTP requests on \$PORT. Your repository must include a Dockerfile or source code in Go, Node.js, Python, Java, .NET Core or Ruby in order to be built into a container image.

1 Source repository

Repository Provider GitHub

Repository Laxminarayan/InceptezbigmartPrediction

Can't find your repository? [Manage connected repositories](#)

(Optional) Capture and display source information with Container Analysis (free) Enable

Build logs will be sent to GitHub. Next

2 Build Configuration

Repository access

All repositories This applies to all current and future repositories owned by the resource owner. Also includes public repositories (read-only).

Only select repositories Select at least one repository. Also includes public repositories (read-only).

Select repositories

Search for a repository

Laxminarayan/AI-Engineering Self Learning

Laxminarayan/AMLD-24 AMLD Workshop

Laxminarayan/article-resources A repository for the source code, notebooks, data, files, and other assets used in the data science and machine learning articles on LearnDataSci

Laxminarayan/automi-gs Provide an input CSV and a target field to predict, generate a model + code to run it.

Laxminarayan/avatar-research avatar-research

Laxminarayan/aws-cli Universal Command Line Interface for Amazon Web Services

Laxminarayan/Basic-LinearReg-It

Suspend This Uninstall This Suspend Uninstall

Then select I Understand and click “Next”

Free trial status: ₹26,460.70 credit and 90 days remaining. Activate your full account to get unlimited.

Google Cloud InceptezbigmartPrediction cloud run

Cloud Run Create service

A service exposes a unique endpoint and automatically scales. Service name and region cannot be changed later.

Artifact Registry Docker Hub GitHub

Deploy one revision from an existing container image Continuously deploy new revisions (as a function)

Set up with Cloud Build Required

Configure

Service name \*

Region \* europe-west1 (Belgium) [How to pick a region?](#)

Endpoint URL [?](#) https://service-name-423136463005.europe-west1.run.app

Create Cancel

Set up with Cloud Build

With continuous deployment powered by Cloud Build, changes to your source repository are automatically built into container images in Artifact Registry and deployed to Cloud Run. Your code should listen for HTTP requests on \$PORT. Your repository must include a Dockerfile or source code in Go, Node.js, Python, Java, .NET Core or Ruby in order to be built into a container image.

1 Source repository

Repository Provider GitHub

Repository Laxminarayan/InceptezbigmartPrediction

Can't find your repository? [Manage connected repositories](#)

I understand that GitHub content for the selected repositories will be transferred to this GCP project to provide the connected service. Principals with access to this GCP project with sufficient permissions will be able to create and run triggers on these repositories, based on transferred GitHub content. I also understand that content from all GitHub app triggers in this GCP project may be transferred to GitHub in order to provide functionality like choosing trigger names in GitHub build results. This will apply to all existing and future GitHub App triggers in this project. [Learn more](#)

(Optional) Capture and display source information with Container Analysis (free) Enable

Build logs will be sent to GitHub. Next

2 Build Configuration

In the next tab configure these settings:

Entry point command: `streamlit run app.py --server.port=$PORT --server.address=0.0.0.0`

Free trial status: ₹26,460.70 credit and 90 days remaining. Activate your full account to get unlimited access to all of Google Cloud—use any remaining credits, then pay only for what you use.

Google Cloud InceptezbigmartPrediction cloud run

Cloud Run Overview Services Jobs Worker pools Domain mappings

Create service

A service exposes a unique endpoint and automatically scales. Service name and region cannot be changed later.

Artifact Registry Docker Hub GitHub

Deploy one revision from an existing container image

Continuously repository (source function)

Set up with Cloud Build

Required

Configure

Service name \*

Region \*

europe-west1 (Belgium)

How to pick a region?

Endpoint URL

https://service-name-423136463005.europe-west1.run.app

Create Cancel

Set up with Cloud Build

With continuous deployment powered by Cloud Build, changes to your source repository are automatically built into container images in Artifact Registry and deployed to Cloud Run. Your code should listen for HTTP requests on \$PORT. Your repository must include a Dockerfile or source code in Go, Node.js, Python, Java, .NET Core or Ruby in order to be built into a container image.

Source repository

Build Configuration

Branch \*

\*/main

Use a regular expression to match to a specific branch [Learn more](#)

Matches the branch: main

Build Type

☐ Dockerfile

☒ Go, Node.js, Python, Java, .NET Core, Ruby or PHP via [Google Cloud's buildpacks](#)

Build context directory \*

/

The directory will be used as the Buildpack build context.

Entrypoint

streamlit run app.py --server.port=\$PORT --server.address=0.0.0.0

Command to start the server, leave blank to use [default behavior](#)

Function target

The name of the exported function to be invoked, leave blank if the source repository is a web server

Save

Then allow *all public access* and then *Create the service*..

Free trial status: ₹26,460.70 credit and 90 days remaining. Activate your full account to get unlimited access to all of Google Cloud—use any remaining credits, then pay only for what you use.

Google Cloud InceptezbigmartPrediction cloud run

Cloud Run Overview Services Jobs Worker pools Domain mappings

Create service

Service name \*

bigmart-streamlit

Region \*

europe-west1 (Belgium)

How to pick a region?

Endpoint URL

https://bigmart-streamlit-423136463005.europe-west1.run.app

Authentication \*

☒ Allow public access

No authentication checks will be performed.

☐ Require authentication

Select between Identity and Access Management (IAM) and/or Identity-Aware Proxy (IAP).

Billing

☒ Request-based

Charged only when processing requests. CPU is limited outside of requests.

☐ Instance-based

Charged for the entire lifecycle of instances. Full CPU for the entire lifetime of each instance.

Service scaling

☒ Auto scaling

Minimum number of instances

0

Create Cancel

The Cloud Build trigger will be created once you create the service.

Pricing summary

Cloud Run pricing

Free tier

First 180,000 vCPU-seconds/month

First 360,000 GiB-seconds/month

2 million requests/month

Check paid tiers details

Open pricing calculator

It will take 5-10 mins for the deployment to be done.. where you can view the logs here:

The screenshot shows the 'Service details' page for a Cloud Run service named 'bigmart-streamlit'. The left sidebar contains navigation links: Overview, Services (selected), Jobs, Worker pools, and Domain mappings. The main content area shows the service status: 'Creating service' (Completed), 'Creating Cloud Build trigger' (Completed), and 'Building and deploying from repository (see logs)' (Active). A red arrow points to the 'logs' link. Below this, the 'bigmart-streamlit' service is shown with its region (europe-west1) and URL (<https://bigmart-streamlit-423136463005.europe-west1.run.app>). The 'Observability' tab is selected, showing a 'Predefined' uptime check. The 'Metrics' section on the left lists Request count, Request latencies, End-to-end request latency, and Latency breakdown. The 'Logs' section on the right shows four charts, all with the message 'No data is available for the selected time frame.' and a '0 time series' label.

Once deployed you should see the Global link to access the website from the dashboard

The screenshot shows the 'Service details' page for a Cloud Run service named 'streamlit-inceptez25'. The left sidebar contains navigation links: Overview, Services (selected), Jobs, Worker pools, and Domain mappings. The main content area shows the service status: 'Creating service' (Completed), 'Creating Cloud Build trigger' (Completed), and 'Building and deploying from repository (see logs)' (Active). A red arrow points to the 'logs' link. Below this, the 'streamlit-inceptez25' service is shown with its region (europe-west1) and URL (<https://streamlit-inceptez25-423136463005.europe-west1.run.app>). The 'Observability' tab is selected, showing a 'Predefined' uptime check. The 'Metrics' section on the left lists Request count, Request latencies, End-to-end request latency, and Latency breakdown. The 'Logs' section on the right shows four charts with data points. The 'Request count' chart shows a spike to 2. The 'Request latencies' chart shows a spike to 10min. The 'End-to-end request latency' chart shows a spike to 10min. The 'Latency breakdown' chart shows a spike to 500ms. A legend at the bottom indicates: Ingress to region (green square), Pending (purple diamond), Response egress (red triangle), Routing (blue inverted triangle), and User execution (blue circle).

<https://console.cloud.google.com/run/detail/europe-west1/streamlit-inceptez25/observability/logs?project=inceptezbigmartprediction>