GCP Deployment Steps for Project Drishti

1. Backend (Python) - Cloud Run

1. Go to `simulator/backend`.
2. Build and deploy with:

```
gcloud builds submit --tag gcr.io/PROJECT_ID/drishti-backend
gcloud run deploy drishti-backend --image
gcr.io/PROJECT_ID/drishti-backend --platform managed --region us-
central1 --allow-unauthenticated
```

Replace `PROJECT_ID` with your GCP project ID.
3. Note the backend URL from Cloud Run output.

2. Frontend (HTML/JS/CSS) - Cloud Storage

1. Go to `simulator/frontend`.
2. Run:

```
bash deploy.sh
```

3. The script will print the public URL for your frontend.

3. (Optional) Use Cloud CDN for faster delivery

- In GCP Console, set up Cloud CDN for your storage bucket.

4. Connect Frontend to Backend

- Update your frontend JS (`app.js`) to use the Cloud Run backend URL.

5. (Optional) App Engine Alternative

- You can deploy backend using App Engine with `app.yaml`.

6. Clean Up

- Delete resources when done to avoid charges.

For more details, see GCP docs: https://cloud.google.com/docs