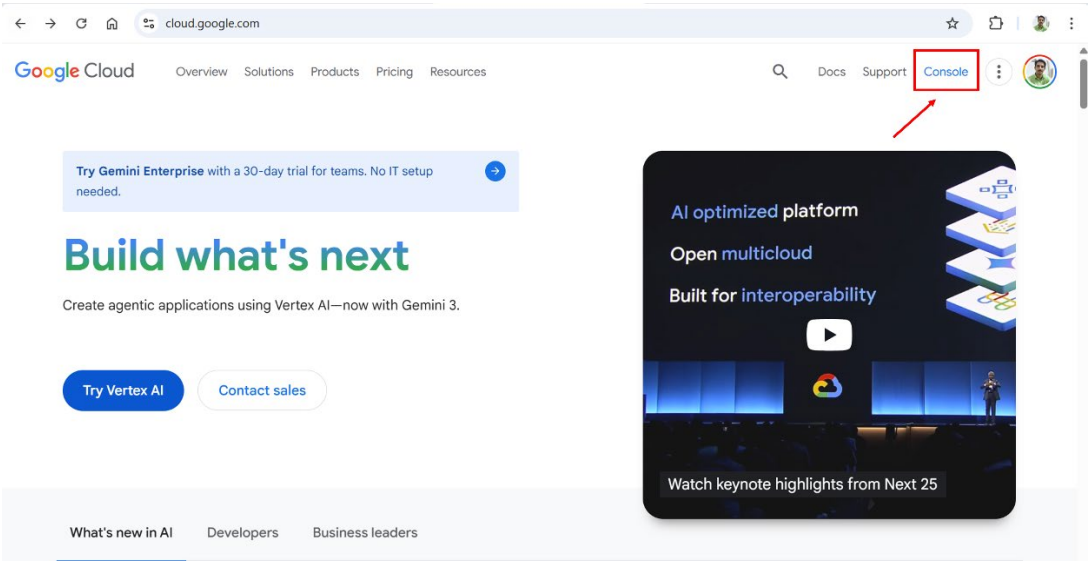
CLOUD COMPUTING LABORATORY

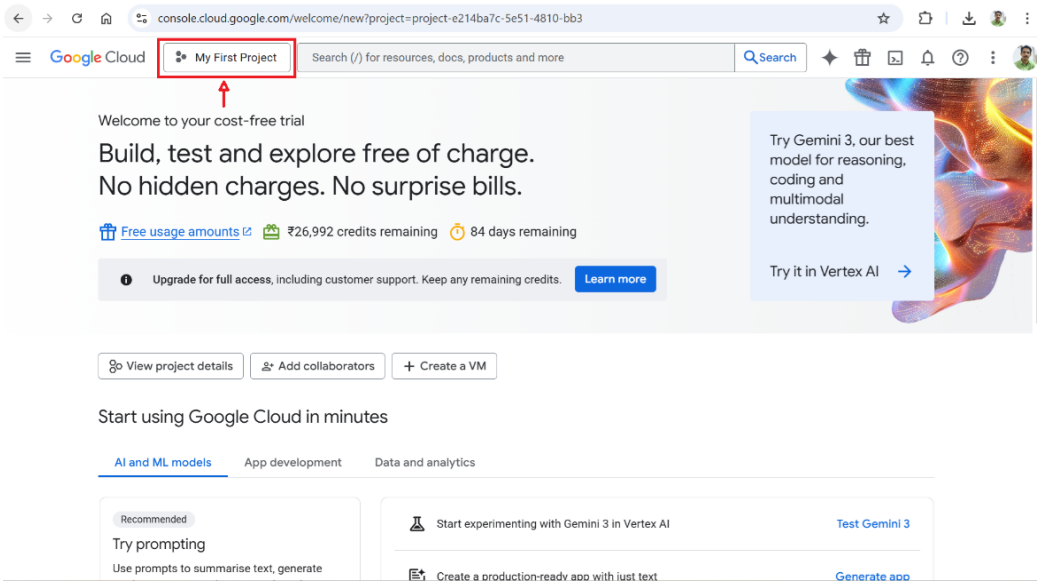
Experiment – 2:

Getting Started with Cloud Shell and gcloud: Discover the use of gcloud commands to manage Google Cloud resources from Cloud Shell.

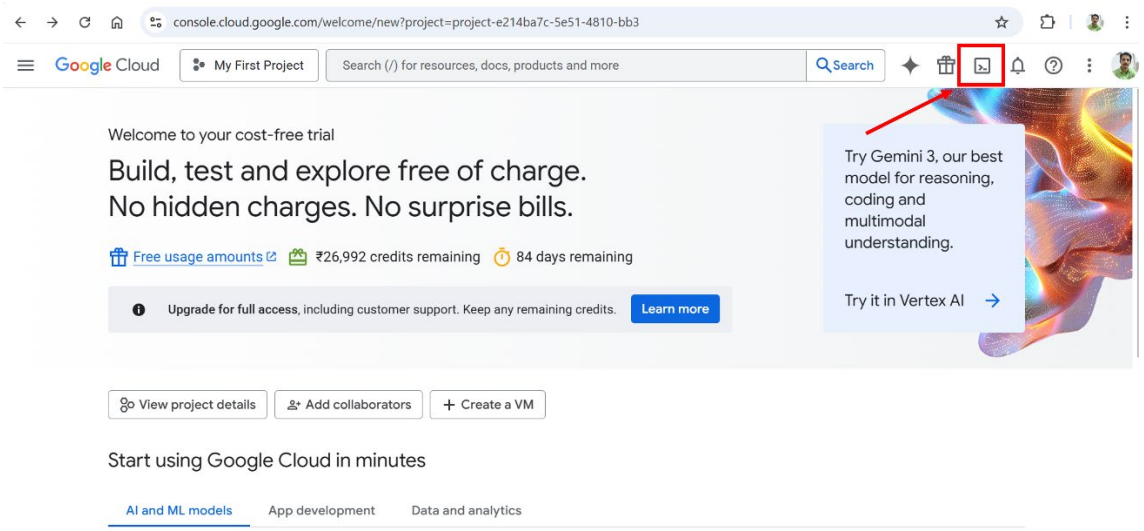
Step 1: From the Google Cloud homepage, click on **Console** to open the Google Cloud Console.



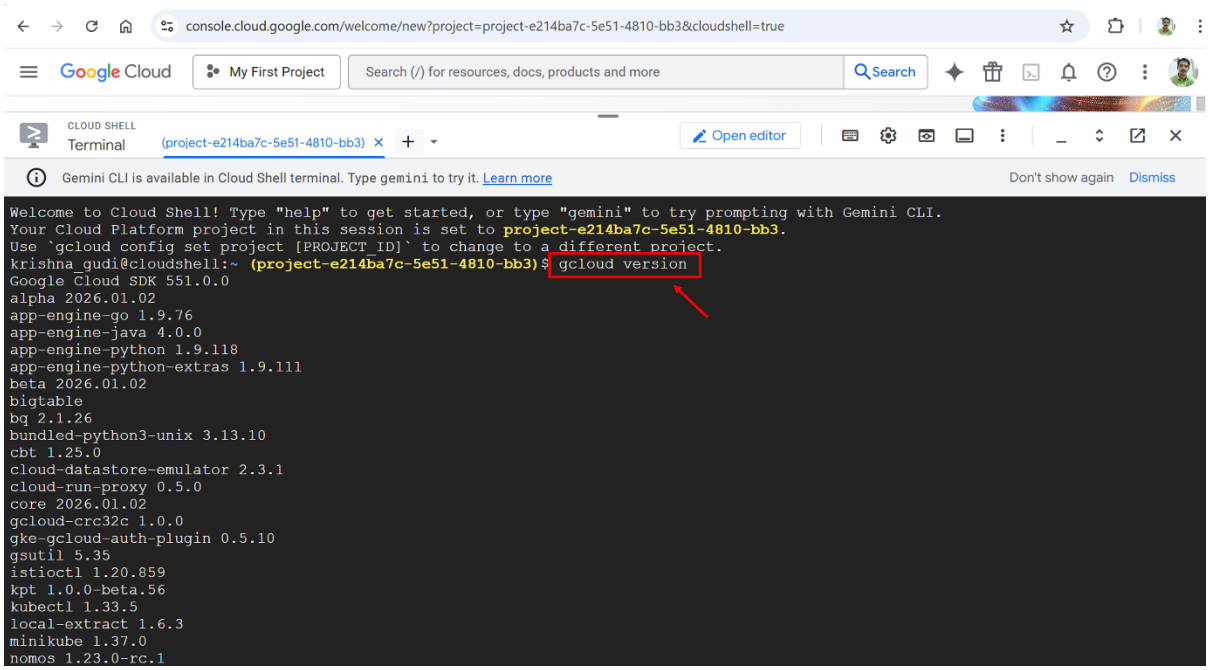
Step 2: In the Google Cloud Console, verify the active project by checking the **project name** shown at the top.



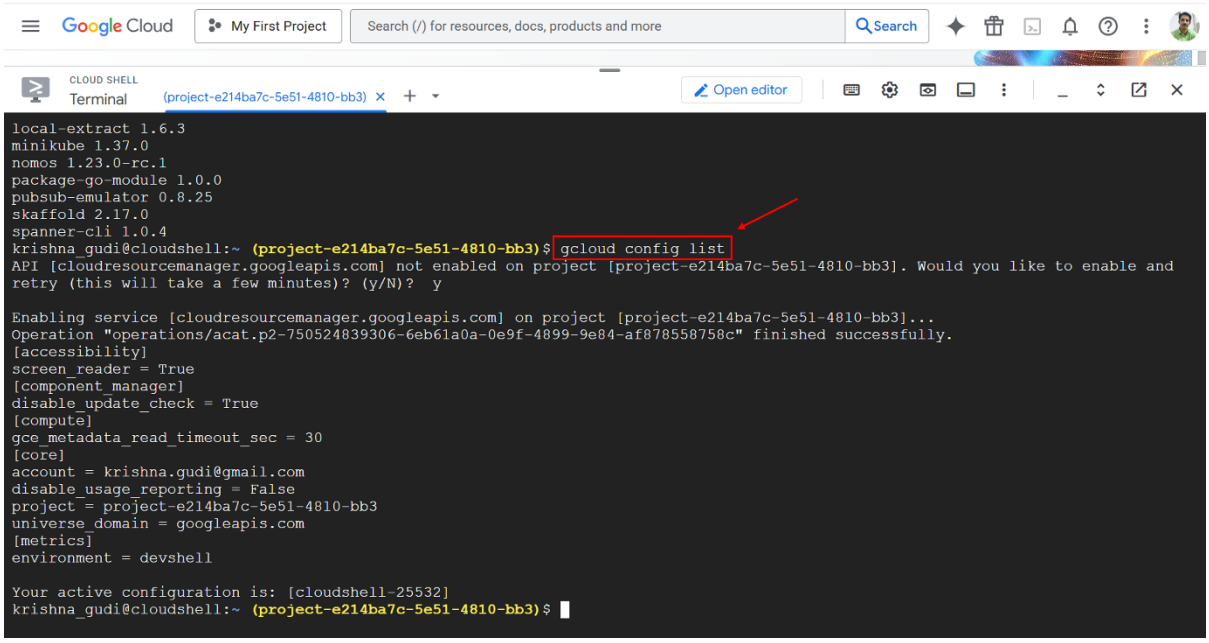
Step 3: Click on the **Cloud Shell icon** on the top-right to launch the Cloud Shell terminal.



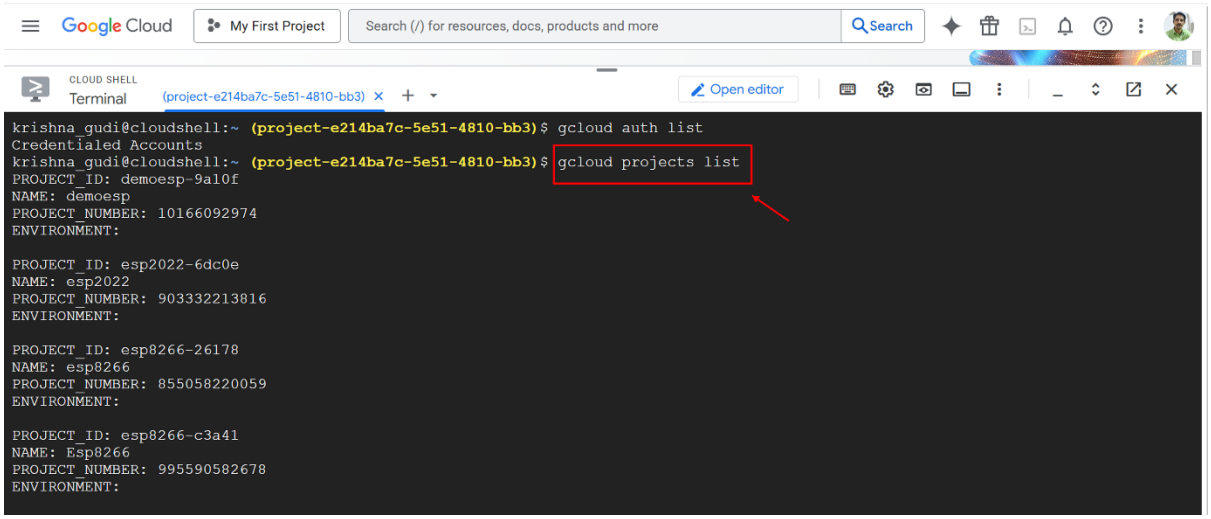
Step 4: Once Cloud Shell opens, execute the command **gcloud version** to verify the installed Google Cloud SDK.



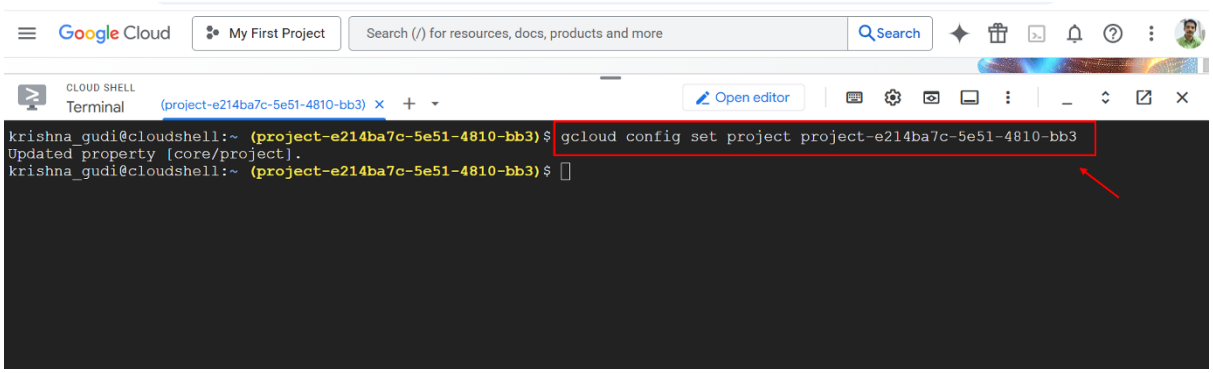
Step 5: Run the command **gcloud config list** to view the current project and account configuration.



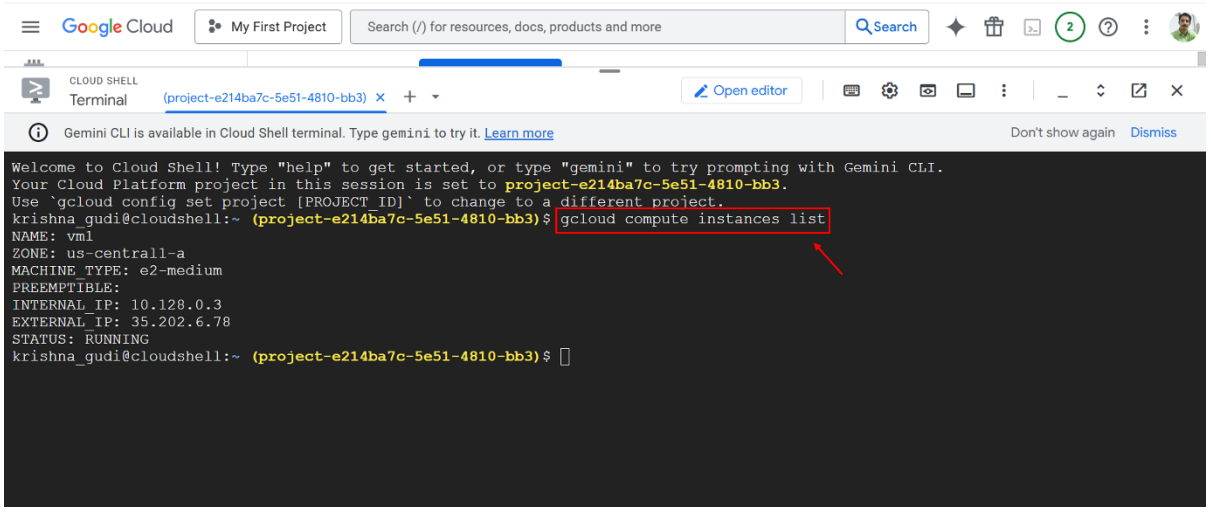
Step 6: Execute **gcloud auth list** and **gcloud projects list** to check the authenticated account and available projects.



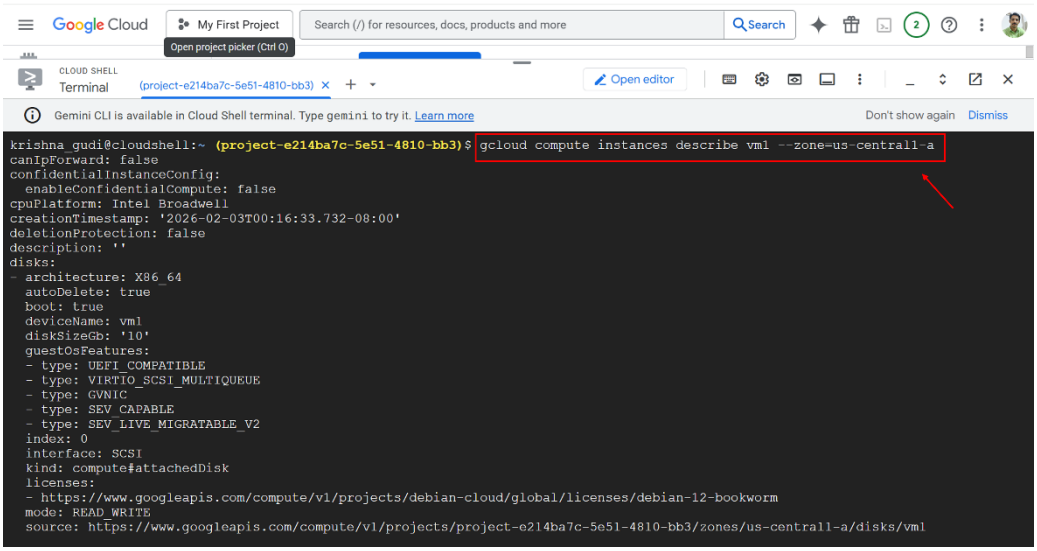
Step 7: Set the required project using **gcloud config set project <PROJECT_ID>**.



Step 8: Execute **gcloud compute instances list** to view the list of virtual machine instances in the project.



Step 9: Run **gcloud compute instances describe vm1 --zone=<ZONE>** to view detailed information of the VM instance.



Step 10: Stop the virtual machine using **gcloud compute instances stop vm1 --zone=<ZONE>** after completing the experiment.