DAY 3

GCP basics

a) Service accounts in GCP is nothing but aws roles. Service accounts arent used by human identities only by services.

=> You can get something called a JSON key from a service account, this is nothing but a long lived credential. It can be used to auth as a service account.

b) GCP has different role types(role in GCP is a permission policy, not like AWS roles)

1. Primitive role

In GCP, **primitive roles** (formerly called “basic roles”) are the three legacy, coarse-grained IAM roles that apply broad permissions across **all** Google Cloud services in a project, folder, or organization. They are:-

Role	ID	Permissions
Viewer	roles/viewer	Read-only access to view (but not modify) nearly every resource.
Editor	roles/editor	All Viewer permissions, **plus** create/update/delete for almost all resources.
Owner	roles/owner	All Editor permissions, **plus** full IAM-policy management.

1. Predefined role
    1. Similar to managed policies in AWS, where the policy is defined and named. Like admin.
2. Custom role
    1. Similar to custom permissions policy creations in aws

c) The equivalent of an AWS IAM user doesnt exist in the same way inside GCP, user principles are essentially google accounts added to a project.

d) The services that we will use are as follows(services in GCP are also called API/API services)

1. Dialogue flow
2. BigQuery
3. VertexAI
4. Connector
5. Cloudrun

Explain next:-

Details about the services we will use.

DIALOGUE FLOW

→ This is a service which in essence helps us build chat bots backed by AI agents.

Lets break down what an AI agent is in this case :-

→ A conceptual container for all the conversational logic.

↳ It dyines your conversational domain is,

[conversational domain = What you want your chat bot to accomplish]

↳ It dyines what entities you want it to recognize.

↳ It dyines how to extract intent from a given sentence, and what to do after