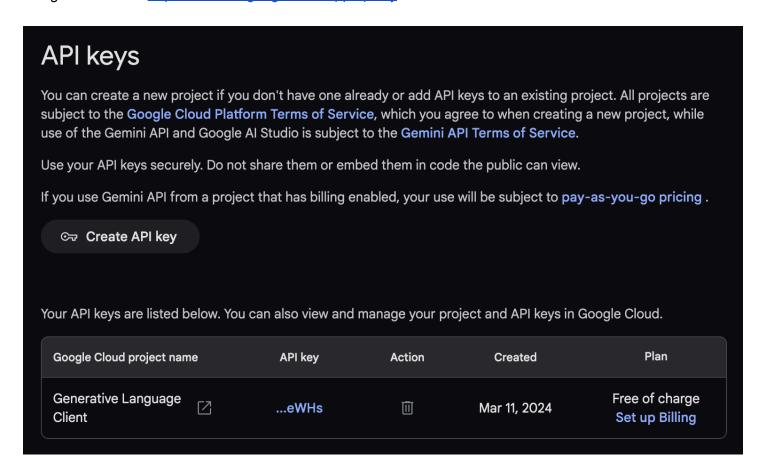# Using the Google Gemini Model as the Large Language Model in your RAG Application

**Step 1:** Login to Google. Create a Google Account if you don't have one.

**Step 2:** Get the **Gemini API Key**

Navigate to the url: https://aistudio.google.com/app/apikey



- Click on the Button - "Create API Key" - this will create a new API Key for you.
- Copy this API Key.

**Step 3: Update your .env File**

Add this line in your .env file:
GOOGLE_API_KEY=<your Google API Key>

**Step 4: Update your RAG Application.**

Navigate to this URL: https://ai.google.dev/gemini-api/docs/models/gemini
- You will find all the Gemini models here

**Step 5: Update your RAG code. A Sample code is given below to take help from:**

```python
from langchain_google_genai import ChatGoogleGenerativeAI
# Import Google API Key
from dotenv import load_dotenv
import os
load_dotenv()


# Set yout LLM to Google Gemini Model
llm = ChatGoogleGenerativeAI(model="gemini-pro",
google_api_key=os.getenv("GOOGLE_API_KEY"))


response = llm.invoke("Who is mahatma gandhi")
print(response.content)
```

For most scenarios, once you set the "**llm**" in your RAG to a Gemini model, the remaining code should be the same.