LLM using Google Gemini

Write a First LLM Application using Google Gemini to explore all Google Gemini Models using Google CoLab: -

Prerequisites: -

Python 3.9+

Google CoLab or VSCode or Jupyter Notebook etc.

Step1: - Create Free API Keys for Google Gemini Models

a) Create Free API Key

Login **www.aistudio.google.com** and create API Key Watch YouTube Video How to create Free API Key

https://youtu.be/DN4Xfct1rdU

E.g.: -

GOOGLE_API_KEY = AIzaSyDeYxiJDAXJvn9JtcPiGDOnKO1mCUDMLMA

b) Set API Key

Step2: - Install Required Packages

https://colab.research.google.com/

!pip install -q -U google-generativeai !pip install ipython

Step3: - import necessary packages

import pathlib import textwrap

import google.generativeai as genai

from IPython.display import display from IPython.display import Markdown

def to_markdown(text):

text = text.replace(".","*")

return Markdown(textwrap.indent(text,'>',predicate=lambda x:True))

Step 4: - To Fetch an environment variable

from google.colab import userdata

GOOGLE_API_KEY = userdata.get("GOOGLE_API_KEY")
genai.configure(api_key=GOOGLE_API_KEY)

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Step 5: - List Models to see Available Gemini Models

```
for m in genai.list models():
```

if 'generateContent' in m.supported_generation_methods:
 print(m.name)

Step6: - Generate text from text inputs

model = genai.GenerativeModel('gemini-pro') model

%%time

response = model.generate_content("what is generative ai?") response

By

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