

Gemini Explorer

Radical AI Lab Mission - AI Engineer Role

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Objective

Mission Objective:

Develop a chat interface using Streamlit to integrate with Google's cutting-edge large language model, Gemini.

This project aims to serve as an educational and practical introduction to the fusion of large language models and user-friendly interfaces.



Tasks

1. Enable Google Cloud
2. Google Cloud Initialization
3. Setting up Google Gemini
4. Streamlit Integration
5. Adding Initial System Messages

Google Cloud Gemini-Explorer Search (/) for resources, docs, products, and more Search

APIs & Services API/Service Details DISABLE API

Enabled APIs & services Library Credentials OAuth consent screen Page usage agreements

To use this API, you may need credentials. CREATE CREDENTIALS

Vertex AI API
Train high-quality custom machine learning models with minimal machine learning expertise and effort.
By Google Enterprise API ?

Service name	Type	Status	Documentation	Explore
aiplatform.googleapis.com	Public API	Enabled	LEARN MORE	TRY IN API EXPLORER

Task 1

Enable Google Cloud

- Logged in to Google Cloud Console.
- Set up a New Project "Gemini-Explorer"
- Enabled vertex ai services for this project.

Cloud SDK: Libraries and Command Line Interface

Key features

All features

Pricing

Take the next step

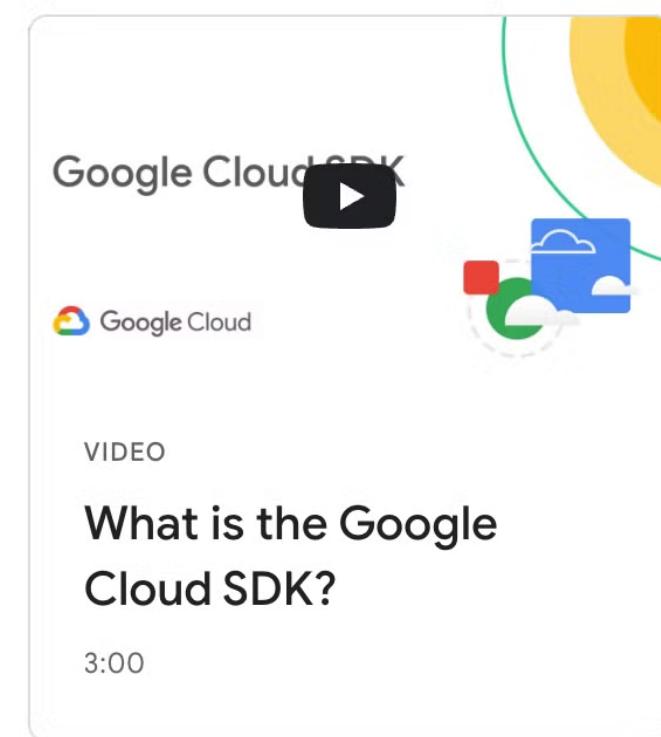
Cloud SDK

Libraries and tools for interacting with Google Cloud products and services. **Cloud SDK is available at no charge** for users with a Google Cloud account.

[Install Google Cloud CLI](#)

[Contact sales](#)

- ✓ Integrate APIs using Client Libraries for [Java](#), [Python](#), [Node.js](#), [Ruby](#), [Go](#), [.NET](#), [PHP](#), and [ABAP](#)
- ✓ Script or interact with cloud resources at scale using the [Google Cloud CLI](#)
- ✓ Accelerate local development with emulators for [Pub/Sub](#), [Spanner](#)



Task 2 Google Cloud Initialization

- Install Google Cloud SDK.
- Set default credentials.
- Initialize Vertex AI project.



Get started

Installation

Fundamentals

First steps



Develop

Concepts

API reference

Tutorials

Quick reference

Streamlit documentation

Streamlit is an open-source Python framework for data scientists and AI/ML engineers to deliver dynamic data apps with only a few lines of code. Build and deploy powerful data apps in minutes. Let's get started!



Setup and installation

Get set up to start working with Streamlit.



API reference

Learn about our APIs, with actionable explanations of specific functions and features.



App gallery

Try out awesome apps created by our users, and curated from our forums or Twitter.

Task 3

Setting up Google Gemini

- Set up virtual environment
- Install Streamlit
- Follow streamlit documentation to set up chat interface



Tell me about manchester united

M

Manchester United: A Storied Club

Manchester United is a legendary English football club, steeped in history and success. Founded in 1878 as Newton Heath LYR F.C., the club has evolved into a global powerhouse, boasting a passionate fanbase and a trophy cabinet overflowing with accolades.

Here's a glimpse into the world of Manchester United:

 Achievements:

Task 4 Streamlit Integration

- Use functions to interact with Chat model via streamlit.
- Display messages, Send Messages

Gemini Explorer

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Hey Parth 🙌, I'm ReX, your personal assistant powered by Google Gemini 🤖. I'm here to help you with anything you need, from finding information to completing tasks. Just ask, and I'll do my best to assist you.

What would you like to do today? 🤔

Task 5 Adding Initial System Messages

- Implement Logic for Initial Prompt.
- Modify ReX's responses to include personalized greetings based on the user's input.

Gemini Explorer

M Hey there, Parth! 🙌 I'm ReX, your personal assistant powered by Google Gemini. 🤖🧠 I'm here to help you with whatever you need, from finding information to completing tasks. Just let me know how I can assist you, and I'll do my best to make your life easier. 😊

What would you like to do today? 🤔



Tell me about space. I want to learn about black holes!



🚀 Black Holes: A Journey into the Unknown 🚀

Unknown 🚀

Buckle up, Parth, because we're about to embark on a mind-bending journey into the realm of black holes! 🚀 These mysterious cosmic objects are some of the most fascinating and enigmatic entities in the universe.

What is a black hole? 🤔

Imagine a region in space where gravity is so strong that nothing, not even light, can escape its pull. That's a black hole! 🚀 They are formed when massive stars collapse at the end of their lives, squeezing an enormous amount of matter into a tiny space. 😮

What happens near a black hole? 🤔

As you approach a black hole, time slows down and gravity becomes increasingly intense. ⏳



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