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[ChatGPT](#)

Introduction

Do you want to make your chatbots more conversational and intelligent? Then, look no further than ChatGPT by OpenAI. ChatGPT is a state-of-the-art conversational AI that can understand natural language queries and respond in a human-like manner. This article will guide you to access this powerful tool using the ChatGPT API using openAI library.



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How To Use ChatGPT API In Python?

response in return. By using the ChatGPT API, developers can leverage the conversational capabilities of ChatGPT to enhance their products, services, or applications with natural language processing and generation features.

How to use ChatGPT API?

Time needed: 10 minutes

In this section, we will discuss the necessary steps to implement ChatGPT API in Python. It's integration with Python empowers users to access ChatGPT features, eliminating the need to visit the ChatGPT website to ask questions.

1. Create API Key

Generate a unique access code to enable communication and authentication with the API.

2. Install OpenAI library

Download and set up the necessary software package for OpenAI integration.

3. Install other necessary libraries

This step involves installing additional essential libraries required for the intended purpose or functionality.

4. Set your API Key

Enter your unique API Key to authenticate and access the API's functionalities and resources.

5. Define a function that can be used to get a response from ChatGPT:

Create a function to retrieve a response from ChatGPT, enabling seamless interaction with the model.

6. Query the API

Retrieve data from the API by sending a request and receiving a response.

Now check all the steps in detail:

Accessing the API

The first step to accessing the ChatGPT API is creating an API key. To create an API key, follow these steps:

1. Go to <https://platform.openai.com/account/api-keys>.
2. Click on the 'Create new secret key' button.
3. Once you have created an API key, copy it and use it in your Python script to access the API.

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`.pip install openai`



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Using the ChatGPT API

Now that you have installed the 'openai' library and generated an API key, you are ready to use the API. Here's how you can use it in your Python script.

1. Import the necessary libraries:

```
import openai

import os

import pandas as pd

import time
```

2. Set your API key:

```
openai.api_key = '<YOUR API KEY>'
```

3. Define a function that can be used to get a response from ChatGPT:

```
def get_completion(prompt, model="gpt-3.5-turbo"):

    messages = [{"role": "user", "content": prompt}]

    response = openai.ChatCompletion.create(

        model=model,

        messages=messages,

        temperature=0,

    )

    return response.choices[0].message["content"]
```

We are using the "gpt-3.5-turbo" model in the above code. This model uses GPT 3.5, which is a more powerful version of GPT-3. You can use any other model of your choice. To view various models available, check out this page: <https://platform.openai.com/docs/models/gpt->

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```
response = get_completion(prompt)

print(response)
```

How Much Does ChatGPT API Cost?

OpenAI offers the text-DaVinci-003 API, their most powerful API, at \$0.02 per 1,000 tokens. Each token represents a sequence of text equivalent to approximately 750 words.

In a blog post from March 2023, OpenAI announced significant cost reductions for ChatGPT. Thanks to system optimizations, they were able to lower the cost by 90% compared to December 2022. The newly released gpt-3.5-turbo model, specifically designed for dialogue, reflects this cost reduction. With a \$0.002 per 1,000 token, the gpt-3.5-turbo model is 10 times cheaper than the original text-davinci-003 model.

These cost savings make it more affordable for developers to integrate the ChatGPT API into their applications, even with limited budgets. It presents an enticing opportunity to explore the impressive capabilities of ChatGPT.

Conclusion

Using the ChatGPT API is easy and straightforward. By following the steps outlined in this article, you can access the power of ChatGPT from your Python scripts and make your chatbots more intelligent and engaging. So why wait? Start using the ChatGPT API today and take your chatbots to the next level!

Frequently Asked Questions

Q1. Is there an API for ChatGPT?

A. Yes, there is an API for ChatGPT. Introduced by OpenAI, it offers developers a seamless way to incorporate the powerful capabilities of GPT into their applications, systems, or platforms. By utilizing this API, developers can easily integrate features such as text generation and language understanding, among others, into their software with ease and efficiency.

Q2. Is the ChatGPT API free?

A. The ChatGPT API has a pricing structure of approximately \$0.002 per 1000 tokens, equivalent to roughly 750 words. Upon creating their OpenAI account, users are eligible for a free trial credit of \$18. This trial credit allows users to explore and experience the capabilities of the ChatGPT API at no cost.

Q3. What is the ChatGPT API for coding?

A. The ChatGPT API for coding enables developers to make HTTP requests to the API endpoint, sending prompts and receiving model-generated responses programmatically. It allows seamless integration of ChatGPT's conversational abilities into software applications.

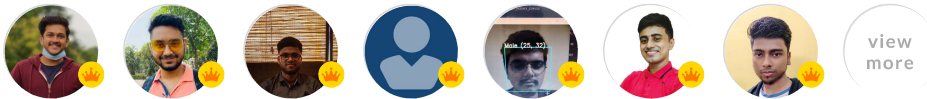
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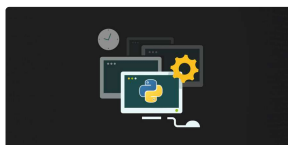
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