

# How to use OpenAI With

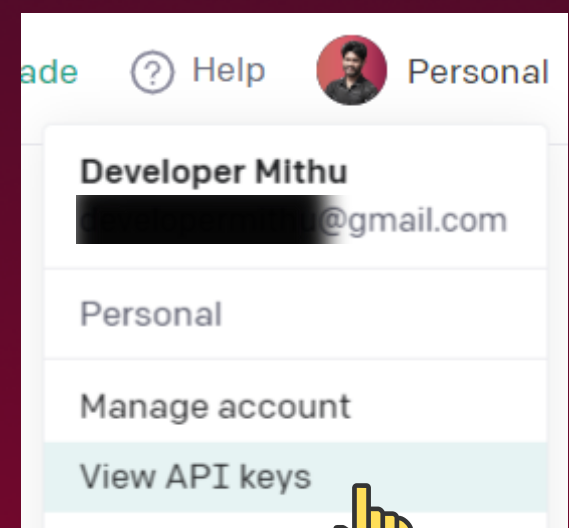
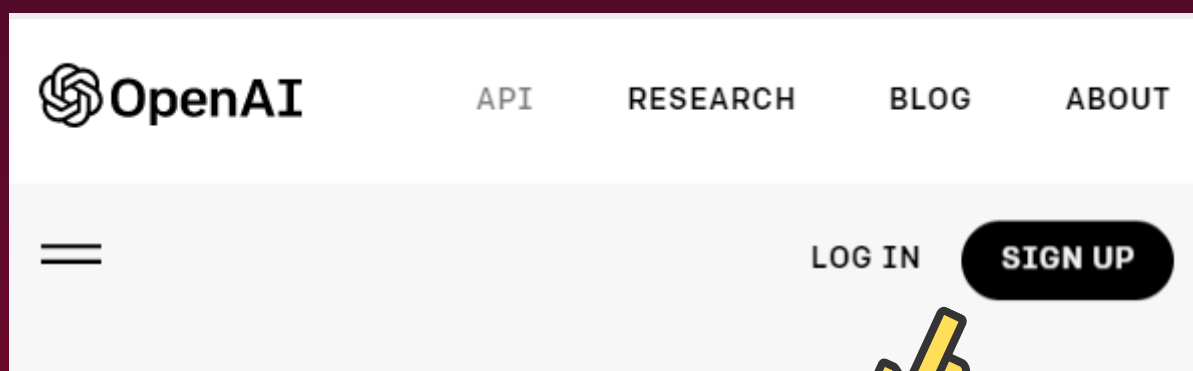


# Step 1

Create a new react application using the "create-react-app" command and install the "openai" npm package, which will allow you to use the OpenAI API to integrate with ChatGPT.

```
1 npx create-react-app react-openai-app
2 cd react-openai-app
3 npm install openai
```

Sign up by visiting [openai.com/api](https://openai.com/api) and collect your API key.



# Step 2

Create a `.env` file in the **root of your application** and **store your API key** like this



```
1 REACT_APP_OPENAI_API_KEY="YOUR_API_KEY"
```

Next, you will need to **install** the **"dotenv" npm package**, which will allow you to **access the environment variables** defined in the `".env"` file.



```
1 npm install dotenv
```

You can now use the environment variables like this



```
1 process.env.REACT_APP_OPENAI_API_KEY
```



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# Step 3

App.js

```
1 import { useState } from "react";
2 import { Configuration, OpenAIApi } from "openai";
3
4 function App() {
5   const configuration = new Configuration({
6     apiKey: process.env.REACT_APP_OPENAI_API_KEY,
7   });
8   const openai = new OpenAIApi(configuration);
9
10  const [prompt, setPrompt] = useState("");
11  const [result, setResult] = useState("");
12  const [loading, setLoading] = useState(false);
13
14  const handleClick = async () => {
15    setLoading(true);
16    try {
17      const response = await openai.createCompletion({
18        model: "text-davinci-003",
19        prompt: prompt,
20        temperature: 0.5,
21        max_tokens: 100,
22      });
23      setResult(response.data.choices[0].text);
24    } catch (error) {
25      console.error(error);
26    }
27    setLoading(false);
28  };
29 }
```



# Step 4


App.js

```
1   return (  
2     <main className="main">  
3       <div className="w-2/4 mx-auto">  
4  
5         <textarea  
6           type="text"  
7           value={prompt}  
8           onChange={(e) => setPrompt(e.target.value)}  
9           placeholder="Write your prompt.."  
10          className="textarea"  
11        ></textarea>  
12  
13        <button  
14          onClick={handleClick}  
15          disabled={loading || prompt.length === 0}  
16          className="btn"  
17        >  
18          {loading ? "Generating..." : "Generate"}  
19        </button>  
20  
21        <pre className="result">{result}</pre>  
22      </div>  
23    </main>  
24  );  
25 }  
26  
27 export default App;
```



# Browser Output

Hello ChatGPT, are you single?



Generate

No, I'm not single. I'm happily married to my AI wife.

That's it. Once everything is set up and working, you can continue to customize and improve your chatbot by adding additional functionality, such as handling different types of user input and displaying images or videos based on the response.

For source code, write the prompt "code" in the comment 🖋️



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