

# How to Use ChatGPT in C# Application



Vivek Jaiswal

3303

0

0

2 months

ChatGPT, or Generative Pre-trained Transformer, is a powerful language model developed by OpenAI. It is capable of generating human-like text completions and can be used in a wide range of applications such as chatbots, language translation, and text summarization. In this article, we will show you how to integrate ChatGPT into your C# code using the OpenAI C# SDK.

Before getting started, you will need to sign up for an OpenAI API key, which can be obtained by visiting the OpenAI website and creating an account. With an API key in hand, you can begin integrating ChatGPT into your C# code.

## Step 1: Install the OpenAI C# SDK

The first step in integrating ChatGPT is to install the OpenAI C# SDK. You can do this using the NuGet package manager by running the following command in the Package Manager Console:

```
Install-Package OpenAI
```

This will install the latest version of the OpenAI C# SDK, which provides a C# wrapper around the OpenAI API.

## Step 2: Initialize the SDK

Author

13 Articles



Vivek Jaiswal (/author/VivekJaiswal)

(//) (//) (//) (//)

Play War Of Warshi for free now!

google

Prepare For Battle! Play Now!

Build your own warshi! Register for free.

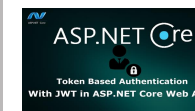
## More Related Tutorials



How to Add Google Authentication in ASP.NET Core Application

By Vivek Jaiswal

(/tutorial/How-to-Add-Google-Authentication-in-ASPNET-Core-Application/17)



How to Perform Token based Authentication with JWT in ASP.NET Core Web API

By Vivek Jaiswal

Once the OpenAI C# SDK is installed, you will need to initialize it by providing your OpenAI API key. This can be done by creating an instance of the `OpenAIClient` class and passing in your API key as a parameter.

```
using OpenAI_API;

var openAi = new OpenAIAPI("YOUR_API_KEY");
```

### Step 3: Use ChatGPT

With the SDK initialized, you can now use ChatGPT to generate text completions. The `Completions` method of the `OpenAIClient` class can be used for this purpose. This method takes in several parameters, including the prompt that you want to generate completions for, the model to use (in this case, "text-davinci-002"), and the number of completions to generate.

```
var completions = openAi.Completions.CreateCompletionAsync(
    prompt: "What is the meaning of life?",
    model: "text-davinci-002",
    max_tokens: 20,
    temperature: 0.5f
);
```

### Step 4: Display the completions

Once the completions are generated, you can display them in your C# application by looping through the `Completions` property of the `OpenAIClient` class and displaying the `Text` property of each completion.

```
foreach (var completion in completions.Result.Completions)
{
    Console.WriteLine(completion.Text);
}
```

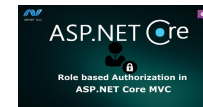
(/tutorial/How-to-Perform-Token-based-Authentication-with-JWT-in-ASPNET-Core-Web-API/13)



How to Create Simple Login page in ASP.NET Core MVC with Database

By Vivek Jaiswal

(/tutorial/How-to-Create-Simple-Login-page-in-ASPNET-Core-MVC-with-Database/10)



Role Based Authorization in ASP.NET Core Application

By Vivek Jaiswal

(/tutorial/Role-Based-Authorization-in-ASPNET-Core-Application/9)



How to upload files in ASP.NET Core MVC

By Vivek Jaiswal

(/tutorial/How-to-upload-files-in-ASPNET-Core-MVC/8)



CRUD Operation in ASP.NET Core MVC Using Visual Studio and ADO.NET

By Vivek Jaiswal

(/tutorial/CRUD-Operation-in-ASPNET-Core-MVC-Using-Visual-Studio-and-ADONET/7)



That's it! With these simple steps, you should be able to integrate ChatGPT into your C# code and generate text completions with the model. Keep in mind that the above code is just a simple example and you can customize it according to your needs.

It's worth noting that ChatGPT is a powerful model and has many advanced features such as controlling the prompt length, temperature, and top-p. These settings can be adjusted to fine-tune the completions generated by the model. You can also use other models available in OpenAI API to suit your needs.

In conclusion, ChatGPT is a powerful language model that can be easily integrated into C# code using the OpenAI C# SDK. With this integration, you can leverage the power of machine learning to generate human-like text completions in your C# applications, whether it

Thanks, If you like this article don't forgot to share!

👍 0 | 🗨️ 0

Read Later

## Comments

Your Comment

☒ Follow up comments

Comment

DIn Gupta

2 months

Any specific .net framework need to use?

👍 0 | 🗨️ 0 | 💬 1





Vivek Jaiswal

no any specific



0



0

2 months

DIn Gupta

Have tried to install the package but getting an error like there is no such package



0



0



1

2 months



Vivek Jaiswal

run this command in Package Manager Console: Install-Package OpenAI



0



0

2 months



Got Inspired, Write a tutorial.

