

# **NLP Chatbot Web Application**

## **INTRODUCTION**

NLP chatbot is a web application designed to get response based on the request. The code is in python language. Here the input and output will be in text format. This application works on the basis of OpenAI GPT-3.

## **USAGE**

To use the web application, you need to click on the link, that will get as output while running the code.

## **INTERFACE**

The user interface of NLP Chatbot Web Application is easy to use and it was built using gradio.

## **WORKING**

To give a request, the user should click on the space available in the textbox to request.

The response of the request from user will be shown in the chatbot.

## NEEDS

For using this chatbot you need an environment that allows python and openai to operate.

For the smooth working of this web application,

NOTE: You should replace the fifth line "API\_KEY" using your own "API KEY" for working this web application.

should need to install:

1. The latest version of python(Install from the official website "**python.org**")  
Python language is used to built this web application.
2. Gradio (Install using the command "**pip install gradio**")  
It will give the interface between client and server for request and response.
3. OpenAI ("Install using the command "**pip install openai**")  
This web application working based on OpenAI and also for building AI Applications.
4. Install "**pip install requests**"  
For making http requests in python.
5. Any environment that allows the above ones to work(example:Visual Studio Code)

By concluding,this is a web application using OpenAI GPT-3and it process requests and give response based on the text analysis.

## **GLOSSARY**

- Python - Python is a programming language and this web application built using Python language.
- Gradio - this is an open-source python library for creating interfaces to interact with the model.
- NLP - Natural Language Processing, this allows machine to interact with human language.
- OpenAI - It will give pre-trained models to work this web application and it also have many libraries, technologies, machine learning models.