Chatbot

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**Github**:<https://github.com/nishanthgoud06/chatBot>

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## Goals and Objective:

The objective is to create a The College Enquiry Chat Bot that gives users a keyboard interface via which they can write commands and get responses as text messages. It offers comprehensive state services and maintains the functionality and control flow of earlier instructions. Any platform, including the web and mobile devices, as well as channels like Skype, Slack, and Messenger, can simply integrate this. The chatbot serves as a 24/7 customer care representative and offers an effective method of information delivery utilizing artificial intelligence. The user's inquiries are examined to determine the proper intent and how it corresponds with the output message.

## Motivation:

* The issue with the situation as it is
* People who are not more tech-savvy are typically unaware of the chatbot system.
* Even if chatbots are a thing, they are not very good at proving answers or solutions.
* The process takes a lot of time and money because customers have to go to the institution if it is far from their homes in order to get their questions answered by the college help desk.
* There may also be a communication gap between the college and the student as a result of this process.

## Significance:

Implementing such a pedagogy had as its main goal engaging students in learning that had a personal connection while maintaining intellectual rigour. The traditional objectivist approach to teaching programming to beginners can be used alone, but classroom research shows that when combined with a constructivist approach, students learn more efficiently.

## Objective:

The most goals of the venture were to create a calculation that will be utilized to distinguish answers related to client-submitted questions. To create a database where all the related information will be put away and to develop a web interface. The net interface created had two parts, one for straightforward clients and one for the chairman.

## Features:

The understudy and guardians can get data from the chatbot rather than reaching the college bolster group each time. Our AI Chatbot is brilliant because it can answer the address indeed on the off chance that it is not the precise same as we gave in preparing information. It moreover answers within the same setting as the client is taking with.

## METHODOLOGY

The strategy we employed for this application is pretty straightforward. By utilizing tflearn and the idea of natural language processing, we created our own neural network. For training our model, we used the "intents.json" JSON file. The file called intents.json has a few sample chats, with each chat block organized under a "tag."

I have generated this intentions file; no files from the internet have been used. We have included some basic discussions on the University Of North Texas, some fundamental terms, and some fundamental questions about the University.

We used this file to train the model, which we then saved as "model.tflearn" and trained using the tflearn fit() method. all of the trained data is stored in a file named “training\_data” and further this file is used for giving responses.

## Project Management:

***Implementation status report***

**Name**:Nishanth Goud Pendimukulla

**Work completed** :

Created the dataset(intent.json)

Created own neural network

Contribution(100%)

**Work to be completed**

Need to train with more data.

**RESULTS AND DISCUSSION**

Our AI chatbot is intelligent because it can respond to a query even if it differs somewhat from the training data we gave it. Additionally, it responds in the same context as the user is using.

**Graphical user interface, application

Description automatically generated**

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