

Presentation on ChatBot In Python using NLTK

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Introduction

What is ChatBot?

A ChatBot is a computer software able to interact with humans using a natural language

Our bot will be used for small talk, as to answer some bot related questions




Use of NLTK in chatBot

This chatBot has ability to parse a document of textual information and answer the queries of user. The chatBot uses the natural languages processing toolkit(NLTK) to process the textual information




How does a chatBot works?

ChatBot are nothing but the software applications that have an application layer,the database,and APIS.To simplify the working of chatBot,we can say it works on pattern matching to classify text and produce a suitable response for the questins /queries addresssed by the user.The chatBot responds to the user as per the program that has been fed in it.ChatBots are of different types,depending on how they are used here in our mini project we created rule based chatBot

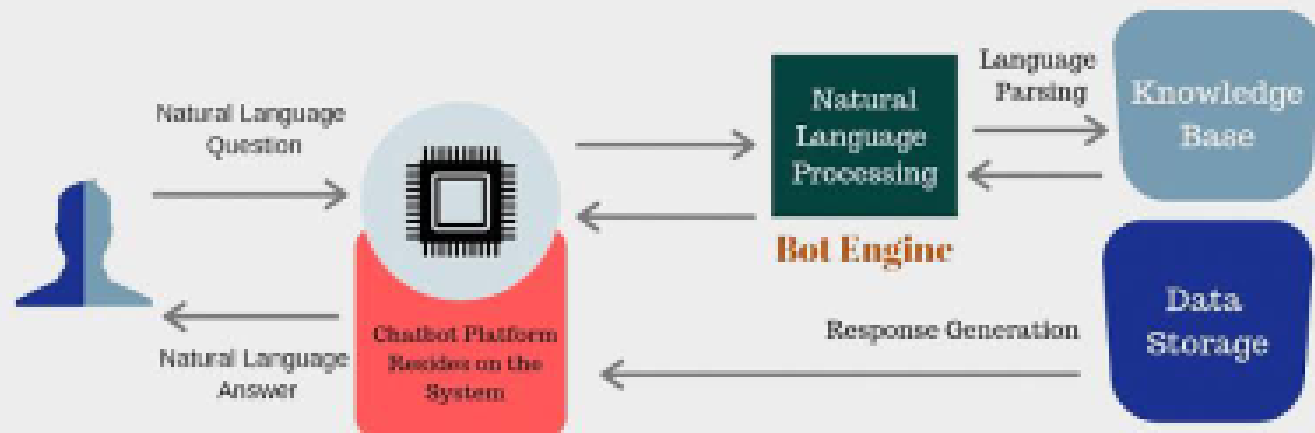
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Rule based chatBot:

This is the basic chatBot made,the user interacts with this kind of bot by using predefined options.To get answers from these bots,users need to click on certain options,These kinds of bots collect the users request , analyze it ,and then offer results in the form of buttons.These bots are commonly used to replace frequently asked questions when it comes to comes to complex queries; they aren't the always best solution

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How A Chatbot Works



Future works

More efficient chatbot

Language Independent chatbot



Conclusion

Building a chatBot with NLTK was not only simple ,but also ,the results were accurate. With Artificial Intelligence and machine learning ,in advancement ,everything and anything is possible to achieve whether it is creating bots with conversational skills like humans or be it anything else.



*THANK
YOU*

