IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal
Impact Factor: 7.301
Volume 3, Issue 16, May 2023

AI Chatbot

Mr. Mayank Raj[1], Rishabh Kumar Jha[2], Ashmit Tiwari[3], Jaideep Singh[4], Uday Singh[5]
Assistant Professor, Department of Computer Science & Engineering[1]
Students, Department of Computer Science & Engineering[2,3,4,5]
I.T.S Engineering College, Greater Noida, India

Abstract: *There has been an emerging trend of an enormous number of chat applications which are present within the recent years to helppeople to connect across different mediums, like Hike, Whats App, Telegram, etc. The proposed network-based android chat application used for chatting purposes with remote clients or users connected to the online , and it will not let the user send inappropriate messages. This paper proposes the mechanism of creating knowledgeable chat application which can not permit the user to send inappropriate or improper messages to the participants by incorporating the bottom level implementation of natural language processing (NLP). Before sending the messages to the user, the typed message evaluated to hunt out any inappropriate terms within the message which may include vulgar words, etc., using natural language processing. The user can build their own dictionary which contains vulgar or irrelevant terms. After pre-processing steps of removal of punctuations, numbers, conversion of text to lower case and NLP concepts of removing stop words, stemming, tokenization, named entity recognition and parts of speech tagging, it gives keywords from the user typed message. These derived keywords compared with the terms within the dictionary and database and therefore the respective response are replied.*

Keywords: Android Application, Chatting, Dictionary, Named Entity Recognition, Natural Language Processing, Networking, Parts of Speech tagging, Sentimental Analysis, Stemming and Tokenization

REFERENCES

[1]. Aafiya Sheikh, Dipti More, Ruchika Puttoo, Sayli Shrivastav, Swati Shinde-"A Survey paper on chatbots" 2019, IRJET-V614383.
[2]. Karthik S, R John Victor, Manikandan S, Bhargavi Goswami-"Proffesional Chat Application based on Natural Language Processing" 2017, IEEE.
[3]. Bhaumik kohli, Tanupriya Choudhary, Shilpi Sharma, Praveen Kumar-"A Platform Human-Chatbot interaction using python" 2018, IEEE Conference.
[4]. Jennifer Hill, W.Randolph Ford,Ingrid G..Farreras-"Real conversations with artificial intelligence: A comparison between human- human online conversations and human-chatbot conversations" 2015, ELSEVIER.
[5]. https://scikit-learn.org
[6]. http://www.nltk.org