

# Automatized Medical Chatbot

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**Abstract:** *In the current world situation, people are more concerned about their health. Unfortunately, nowadays the doctor human resource is lesser than the patient. These circumstances make a lot of people who seek treatment are unhandled. Many studies can solve this problem with some kind of chatbot or health assistant. In this paper, we want to explore and deepen more about chatbots that could help people to get the same and proper treatment as a doctor would do. Chatbots are mainly used for the processing of specific tasks, and can introduce products to customers or solve related problems, thus saving human resources. Text sentiment recognition enables chatbot to know the user's emotional state and select the best response, which is important in medical care. In this study, we combined the multiturn dialogue model and sentiment recognition model to develop a chatbot, that is designed for used in daily conversations rather than for specific tasks. I believe that in the next few years every major business will have a chat bot to deal with customers' basic queries and maybe even go as far as processing full orders. Chat bots have the potential to replace call centers, customers can get their queries answered simply by opening their favourite messaging platform and chatting with a bot.*

**Keywords:** Python, Django Framework, NLP Algorithm

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