

Chatbot for Healthcare System using Artificial Intelligence

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Abstract: *To lead a good life healthcare is very much important. But it is very difficult to obtain the consultation with the doctor in case of any health issues. The proposed idea is to create a medical chatbot using Artificial Intelligence that can diagnose the disease and provide basic details about the disease before consulting a doctor. The healthcare industry is continually seeking innovation solution to improve patient outcomes, reduce costs, and enhance overall efficiency. Artificial intelligence has emerged as a transformative technology with the potential to revolutionize the healthcare industry. Medical chatbots are AI-powered conversational solutions that help patients, insurance companies, and healthcare providers easily connect with each other. These bots can also play a critical role in making relevant healthcare information accessible to the right stakeholders, at the right time.*

These chatbots leverage Natural Language Processing (NLP) techniques to understand and respond to user queries, helping with tasks such as symptom assessment, appointment scheduling, medication reminders, and general health information.

The user can achieve the real benefit of a chatbot only when it can diagnose all kind of disease and provide necessary information. A text-to-text diagnosis bot engages patients in conversation about their medical issues and provides a personalized diagnosis based on their symptoms.

The Healthcare AI Chatbot can perform various tasks, including symptom checking, medication reminders, appointment scheduling, and general health information. The chatbot can also provide users with virtual consultations, which can be useful in situations where the user is unable to visit a healthcare professional in person

Keywords: Artificial Intelligence, Naïve Bayes Classifier, Cosine Similarity model, NLP

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