Dr.Remedies, Home remedy Suggestor ChatBot

Mayur Dabade, Pranav Jagdale, Gaurav Kadam, Prof Amol Kharat

Mr.Mayur Dabade, Department of Information Technology Engineering, Maharashtra. Ms. Pranav Jagdale, Department of Information Technology, Maharashtra. Mr.Gaurav Kadam, Department of Information Technology Engineering, Maharashtra, Prof .Amol Kharat, Department of Information Technology Engineering, Maharashtra.

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Abstract - Today herbs are catching a lot of attention due to their very nature of cure: simple, no side effects, no chemicals, inexpensive, plus the ability to be able to cure yourself. This trend for resorting to home remedies is not new. In fact, they have their origin in ancient times. Traditionally, in India, plants with medicinal value were grown in home gardens. These plants were used effectively as self-help remedies for managing primary health care.

Dr.Remedies is a web-app based home remedy suggestion system for quick and easy solutions on various common diseases. Based on the symptoms of the patient, the system will advise appropriate home remedies. This system will prominently help those patients residing in rural areas or the persons travelling who don't have doctors in nearby vicinity. Treating common ailments with ingredients available in the home is known as home remedies. Many of the remedies have years of history.

Key Words: Home Remedy Suggestions, NLTK model

1. INTRODUCTION

Home remedy is Treating common ailments with ingredients available in the home. Many of the remedies have years of history, which might have developed by trial and error method and passed through generations. Even though many home remedies will give ambient relief in emergency situation, the practice is merely taking medicine without knowing the underlying pathology, there is a possibility to cause any harmful effects.For overcoming this our project tells the user the respective home remedies based on his health issue .All are proved to be effective in the treatment of the specific condition which acts by the virtue of its specific active ingredients in the drugs.Treating common ailments with natural ingredients available in the home is known as home remedies. It is a part of tradition, in which the active ingredients used are taken from the kitchen, which includes spices, fruits, and vegetables. Many of the remedies are having years and years of history, which might have developed by trial and error method. Though home remedies and traditional medicines are two different aspects. Traditionally many of its usages are taken from Ayurveda compendium only. Internet, magazines etc. paved the way to increase the uses of home remedies

1.1. The working of the project: .

First the user has to create an account on the web-app. After creating the account, users can continue to log-in.

After logging in the user will be directed to the chatbot itself. In the chatbot the user can ask the chatbot any remedies based on their respective symptoms. Users can also interact with the web-app using our blogs. Read them, and enjoy their healthy life.

2. LITERATURE SURVEY

2.1. Existing System

There are many applications that provide medicines based on a patient's symptoms. These medicines can be Allopathic or Homeopathic in nature. Some of the Allopathic medicines contain steroids. Steroids help in faster recovery and quicker results in a patient's health but can cause long term side effects and even prove harmful for their health. There are diabetic apps, apps to track your fitness and overall health, and there are even apps to track your water intake. Some of the most common apps are: Care Zone , Doctor on Demand , Medscape , Mysugr etc. Also some people might be allergic to some type of medicines and they won't be able to figure that out unless their side effects become visible. This system helps users to find information by providing them with suggestions. This method will have great influence in all aspects of our life. Also using these medications some users might be allergic to some kind of chemicals.

2.2 Proposed System

Proposed system is a web application chatbot which can be used by patients in case of need. This system will provide home remedies based on patients symptoms. Patients can search for their symptoms (can be multiple symptoms). Based on these symptoms the system will suggest quick and easy home remedies which patients can easily prepare for themselves. Required Ingredients will be stated clearly and multiple languages so as to remove the language barrier.
Step by step instructions will be provided in an easy way so that everybody can understand. This system is better since natural ingredients won't cause any harmful effect on the patient's body. Also it wont produce any side effect which normal medicines could cause. Since there can be multiple remedies using

different ingredients, users can suggest feedback if they feel that they have a better and easier alternative to the system suggested remedy. This will help the system remain updated and will be user interactive. Users can contact us through mail or provide feedback using our web app. Users can also avoid remedies in which there are allergic substances that are being used and suggest any other substance that can be used instead using the feedback option.
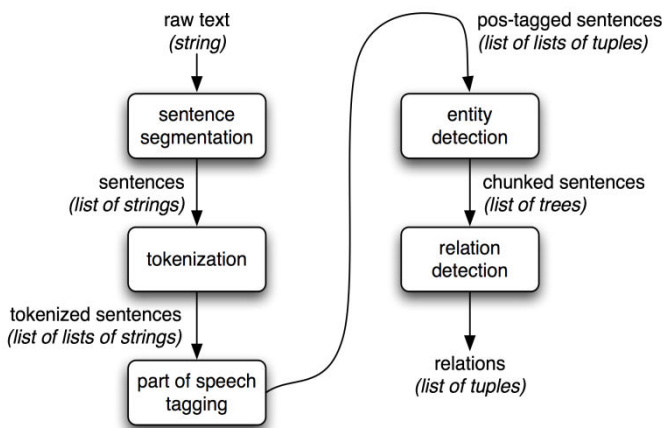
3. SYSTEM ARCHITECTURE

Fig 1: System Architecture

The **Natural Language Toolkit(NLTK)**, is a suite of libraries and programs for symbolic and statistical natural language processing (NLP) for English written in the Python programming language.
NLTK supports classification, tokenization, stemming, tagging, parsing, and semantic reasoning functionalities.

4. Advantages and Disadvantages

4.1 Advantages
1. With our Home remedy suggestor chatbot the users can easily find out home remedy for their symptoms.
2. The system can be used in mini-marts, shopping center to help customers buy the necessary ingredients required for the remedy,
3. The system can be used by anyone and anywhere..
4. The system can also be used for educational purposes such as to study about home remedies.

4.2 Disadvantages
1. The user has to see their allergies towards certain ingredients carefully.
2. This chatbot is based on supervised learning, so it will not answer any other questions than the trained one.

5. CONCLUSION

Effective and timely remedies play an important role in helping overcome common diseases. Homeopathic and allopathic has been an active research topic from early eras. So we decided to make a system which can suggest home remedies based on symptoms . The system takes input directly from the users in the form of symptoms. These inputs can be given through text input. The system replies with suitable remedies through text as well as a read aloud feature. This system can be used in urban as well as in remote places in rural areas. Blog posts will help users to read information if they find the topic interesting.

6. ACKNOWLEDGMENT

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