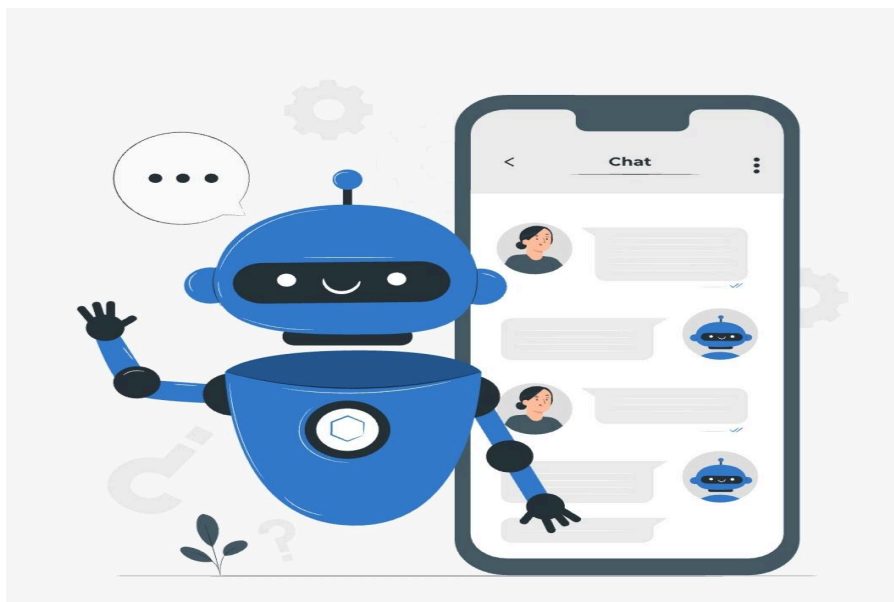# Virtual Health Assistant: Create a chat bot for diagnosing common illnesses and suggesting remedies

TEAM DETAILS:

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OVERVIEW

Virtual Health Assistant is an AI-driven chatbot designed to help users diagnose common illnesses and suggest appropriate remedies. Built using Jotform AI Agent Builder, this chatbot provides preliminary medical guidance based on user symptoms and enables them to seek further consultation if needed.

WHY THIS PROJECT?

- Many people search online for health advice, but unreliable sources can lead to misinformation.
- This chatbot provides quick, AI-powered suggestions based on medical knowledge.
- It offers basic home remedies and guides users toward professional consultation when necessary.

FEATURES

- Symptom-Based Diagnosis – Users can enter their symptoms, and the bot will suggest potential causes.
- Remedy Suggestions – Provides general medical guidance and home remedies based on input.
- Voice Interaction – Users can communicate using voice commands and receive verbal responses.

- Medical Consultation Form – A pre-built Jotform for users to submit their health concerns for expert review.
- User-Friendly Interface – Designed for ease of use with a chat-based UI.
- Privacy and Security – Ensures user data remains confidential with Jotform's security features.

TECHNOLOGICAL STACK

Technology	Usage
Jotform AI Agent Builder	Main chatbot development platform
Cloud Storage (Jotform)	Stores chat interactions & form submissions
AI NLP (Natural Language Processing)	Helps interpret user queries
Text-to-Speech & Speech-to-Text	Enables voice-based interaction
Decison tree logic	Based on symptom severity and duration level
Predefined Medical Database	Used for symptom recognition and response

HOW IT WORKS

1. Start a Chat – Users enter their symptoms via text or voice input.

2. AI Diagnosis – The chatbot suggests possible illnesses based on a predefined medical database.

3. Provide Remedies – Home remedies and self-care tips are displayed.

4. Consult a Doctor (Optional) – Users can submit a medical form for expert review.

5. Follow-Up Actions – The bot may suggest further tests or professional medical advice.

INSTALLATION AND SETUP

PREREQUISITES
- Jotform Account (Sign Up at [Jotform](https://www.jotform.com/))
- Internet Connection
- Basic Knowledge of AI Agent Builder (Optional)

STEPS TO SET UP

Step 1: Access Jotform AI Agent Builder

- Login to your Jotform account.
- Navigate to "My Forms" → "Create New AI Agent".

Step 2: Build the Chatbot
- Configure AI responses based on symptoms.
- Enable voice interaction (optional).
- Add a consultation form for additional support.

Step 3: Test and Deploy
- Use the Jotform chat simulator to verify responses.
- Share the chatbot link or embed it in a website.

USE CASES

- General Users – Get quick health suggestions based on symptoms.
- Healthcare Providers – Offer an automated first-level consultation.
- Telemedicine Platforms – Use as an AI-based virtual assistant for patient screening.
- Educational Purposes – Learn about common illnesses and their remedies.

FUTURE ENHANCEMENTS

- Multilingual Support – Expand access to non-English speakers.
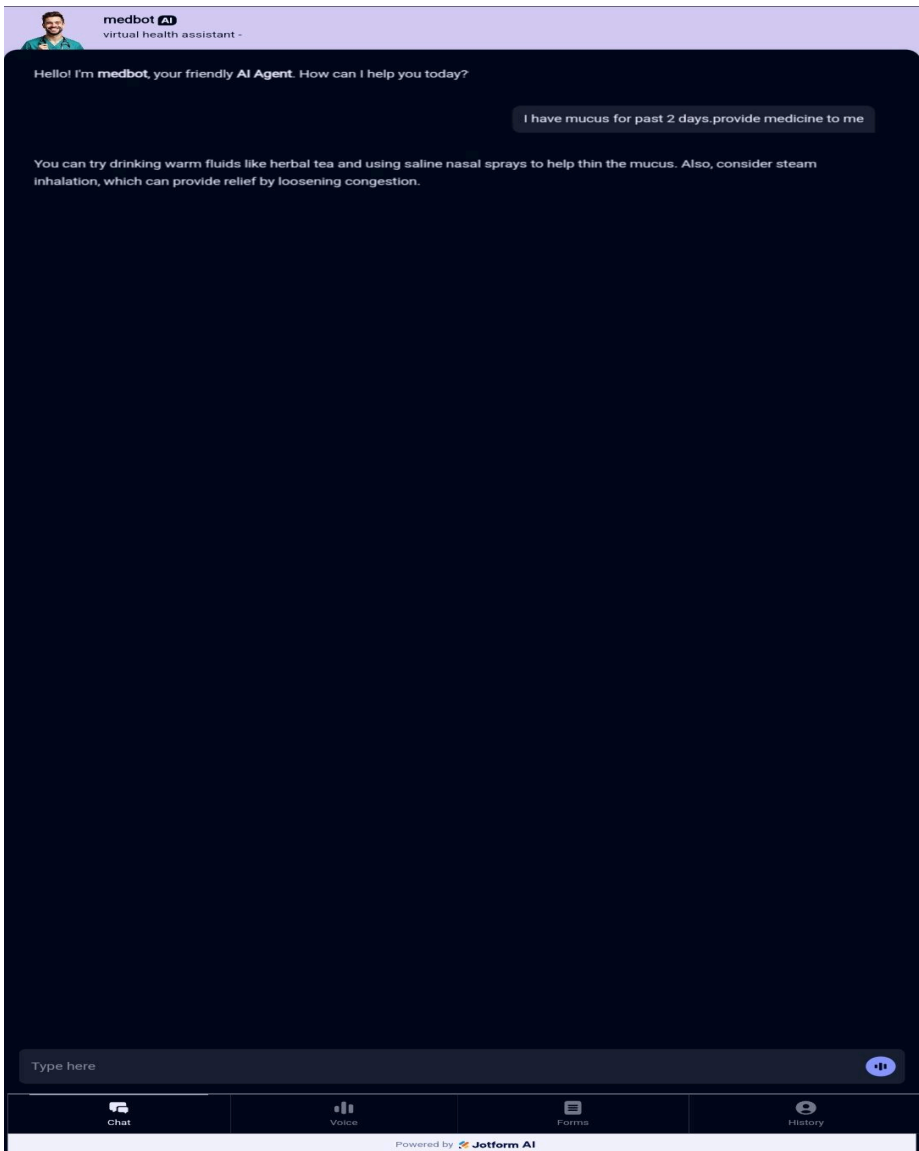- User Data Analytics – Improve suggestions based on user trends.

- Integration with Healthcare Apps – Link with electronic health records (EHR).

PRIVACY AND SECURITY

- Data Encryption – Ensures secure storage of user information.
- No Personal Data Storage – The chatbot does not store sensitive medical data.
- Compliance with Privacy Policies – Adheres to data protection standards.

At finally I attach working of our medbot in real time.i attach images of our project

DEMONSTRATION OF THE PROJECT:

medbot **AI**

virtual health assistant -

Talking 00:01

Mute   **End Call**

Medical Consultation Form

Name

First Name	Last Name

Date of Birth

MM-DD-YYYY

Date

Gender

- ○ Female   ○ Male
- ○ Other

Email

example@example.com

Phone Number

(000) 000-0000

Please enter a valid phone number.

Have you seen a doctor for the followings?

	Yes	No	Short Notes
High blood pressure	○	○	
Heart disease	○	○	
High Cholesterol	○	○	
Diabetes	○	○	
Bleeding disorder	○	○	
Allergies	○	○	

Please explain why do you want a consultation?

Type here...

Have you undergone a surgery before?

- ○ Yes
- ○ No

LICENSE:

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CONTACT AND SUPPORT

Email: support@techhackkeriz.com