

# HealthAI: Intelligent Healthcare Assistant Using IBM Granite

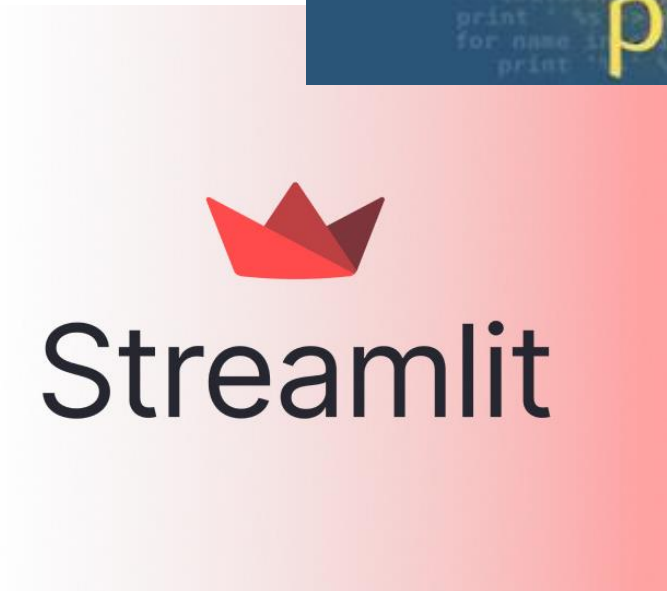
SmartInternz-IBM Cloud Internship Project

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## Problem Statement

1. No immediate advise for common symptoms.
2. Dependence on hospital visits for basic queries.
3. Need for a simple AI-based health guide.
4. Lack of Instant medical support in remote areas.



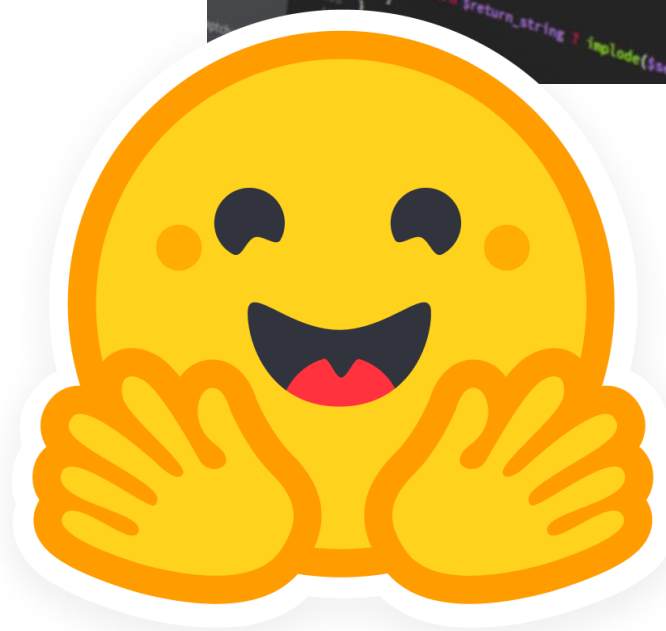


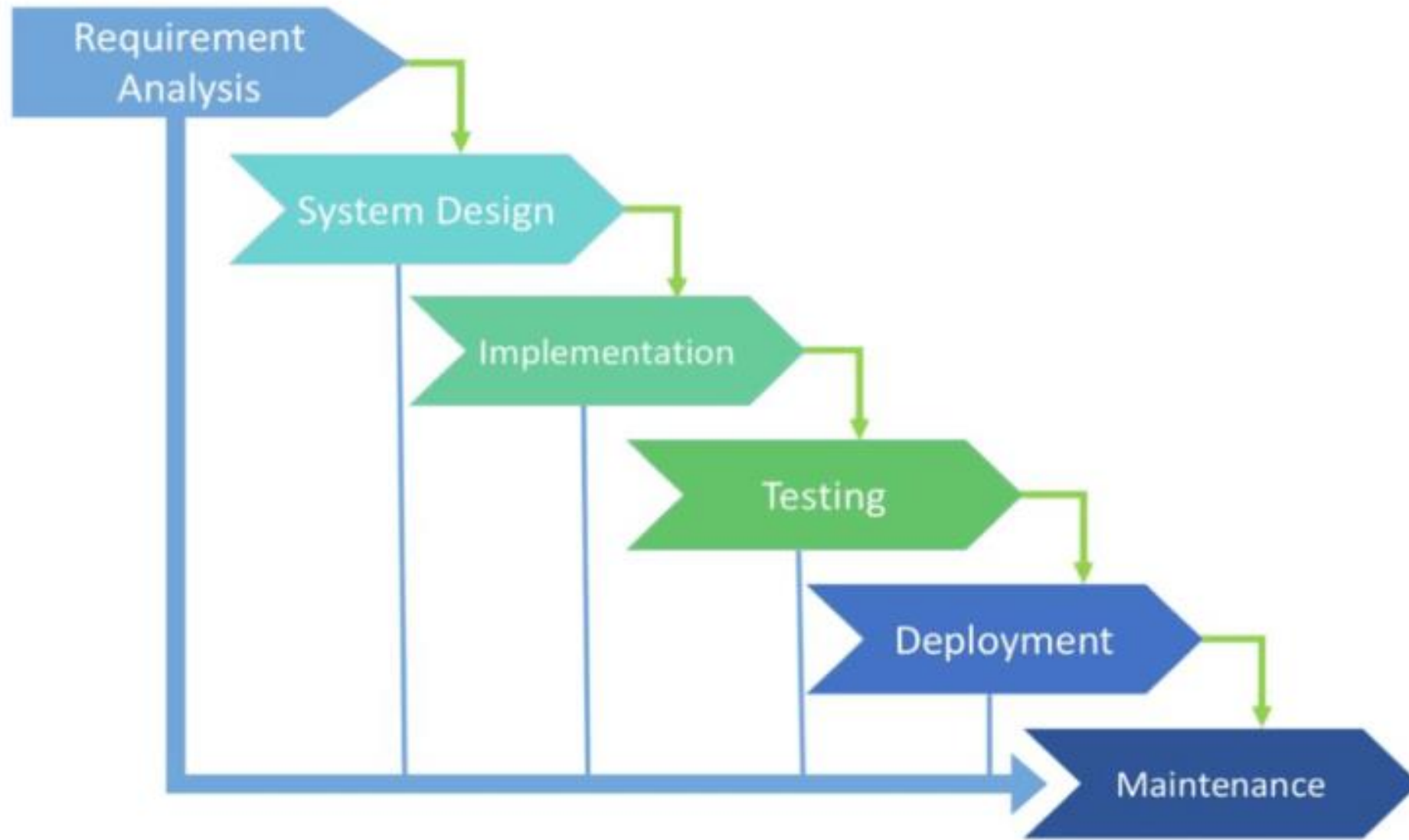
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2. And to create a sample web app using Streamlit.
3. Python is used to create a website along with HTML, CSS.

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# Technologies used:

1. Python – Backend Scripting.
2. Streamlit and Pyngrok.
3. Hugging Face API – AI model generation.
4. IBM Granite 3.3b Instruct – Generative AI for Chatbot.
5. Google Colab – Execution environment, build this application.





The image shows a web interface for a chatbot. At the top, there is a header with a blue stethoscope icon and the text "HealthAI Chatbot". Below the header is a large, empty rectangular area with a light gray background, intended for displaying chat messages. At the bottom of the interface, there is a white input field with the placeholder text "Ask something about your health...". To the right of the input field is a blue button with the text "Send" in white.

## HealthAI Chatbot

Ask something about your health...

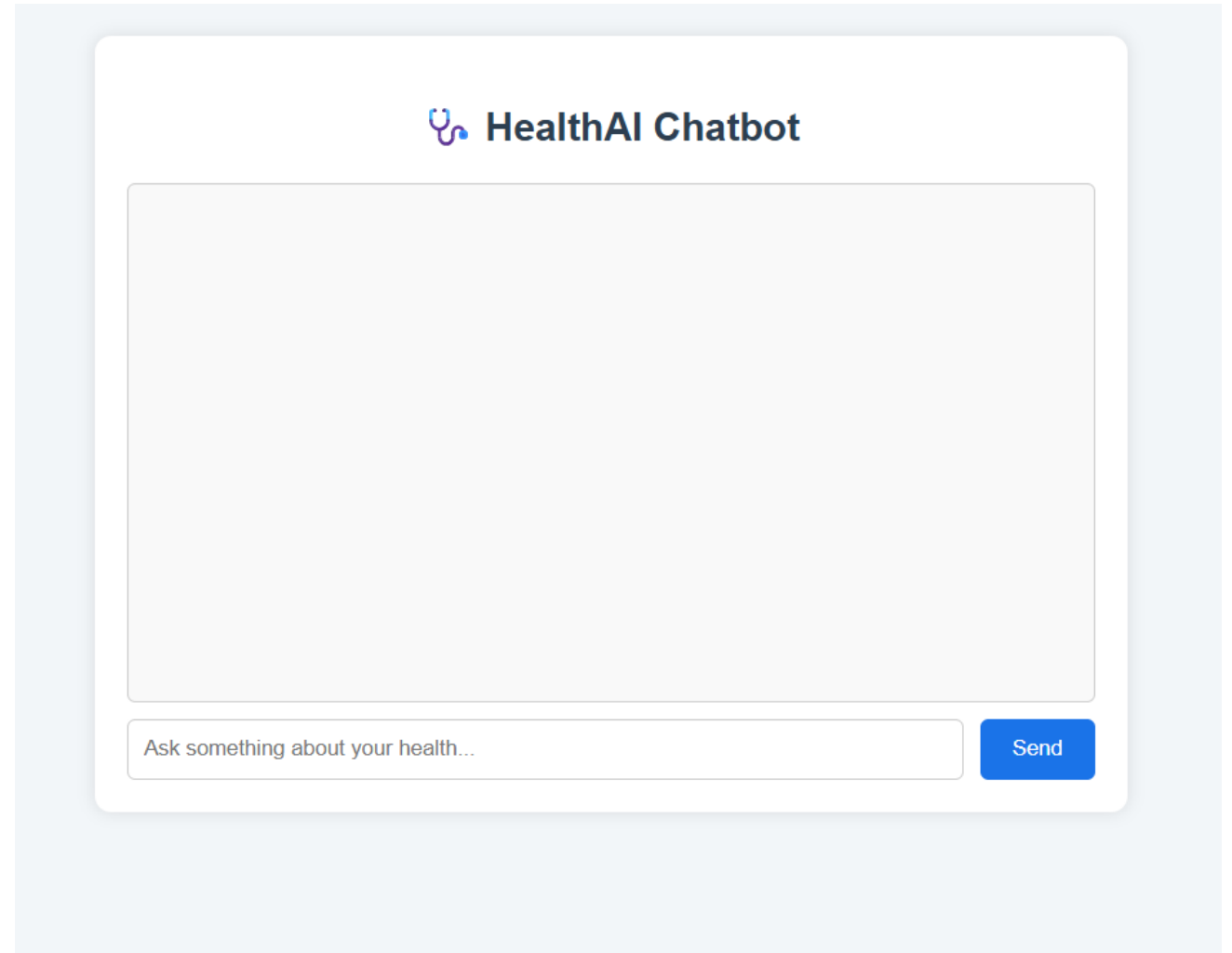
Send

## Key Features:

1. Ask Health Question.
2. Predict Condition.
3. Generate Treatment Plan.

# Chatbot

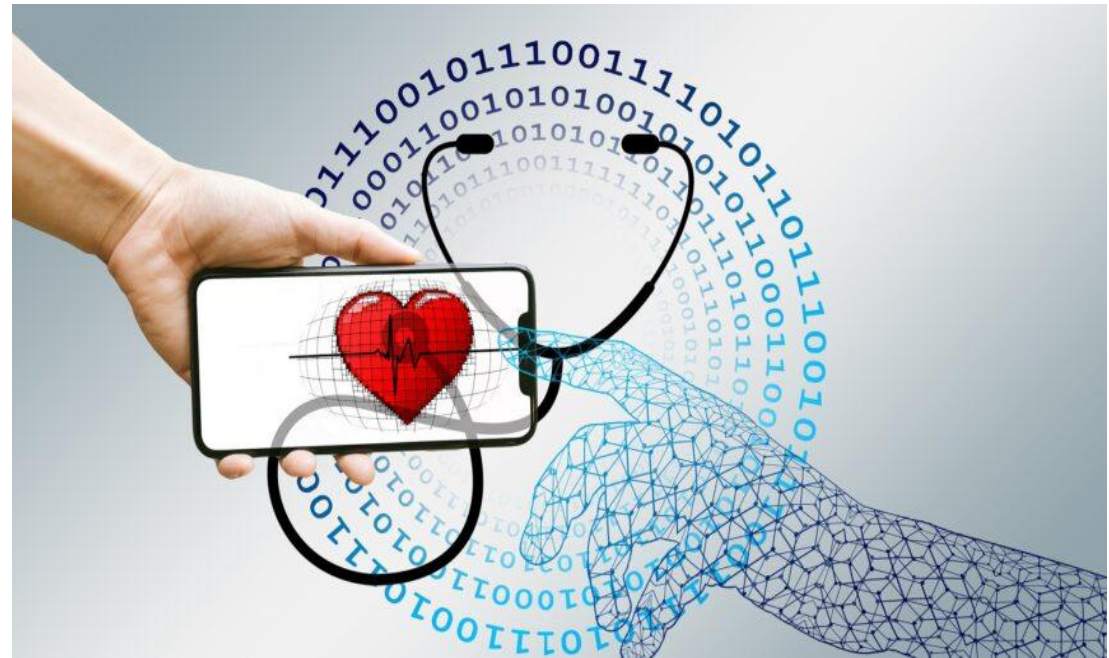
1. User asks health related questions and the AI gives a friendly and information answer.
2. As per the information, user can consult a doctor.
3. Based on the condition name, the AI suggests medicines, diet tips and lifestyle changes.





# Advantages:

1. Available 24\*7, accessible on mobile and desktop, easy for non-technical users, reliable output from IBM granite model.
2. Not a doctor it's just a basic symptoms handling only which needs internet access.
3. No installation needed.
4. Beginner-friendly & educational.







**AI IN HEALTHCARE**

## **Limitations:**

No voice support yet, dependent on API limits, not a replacement for a real doctor.

## Future Scope:

Add voice-based input, support Telugu and other languages, save user history, and link with hospital appointments.



*Thank You*