

# MEDIBOT

AI- based symptom analysis  
and healthcare guidance for  
everyone



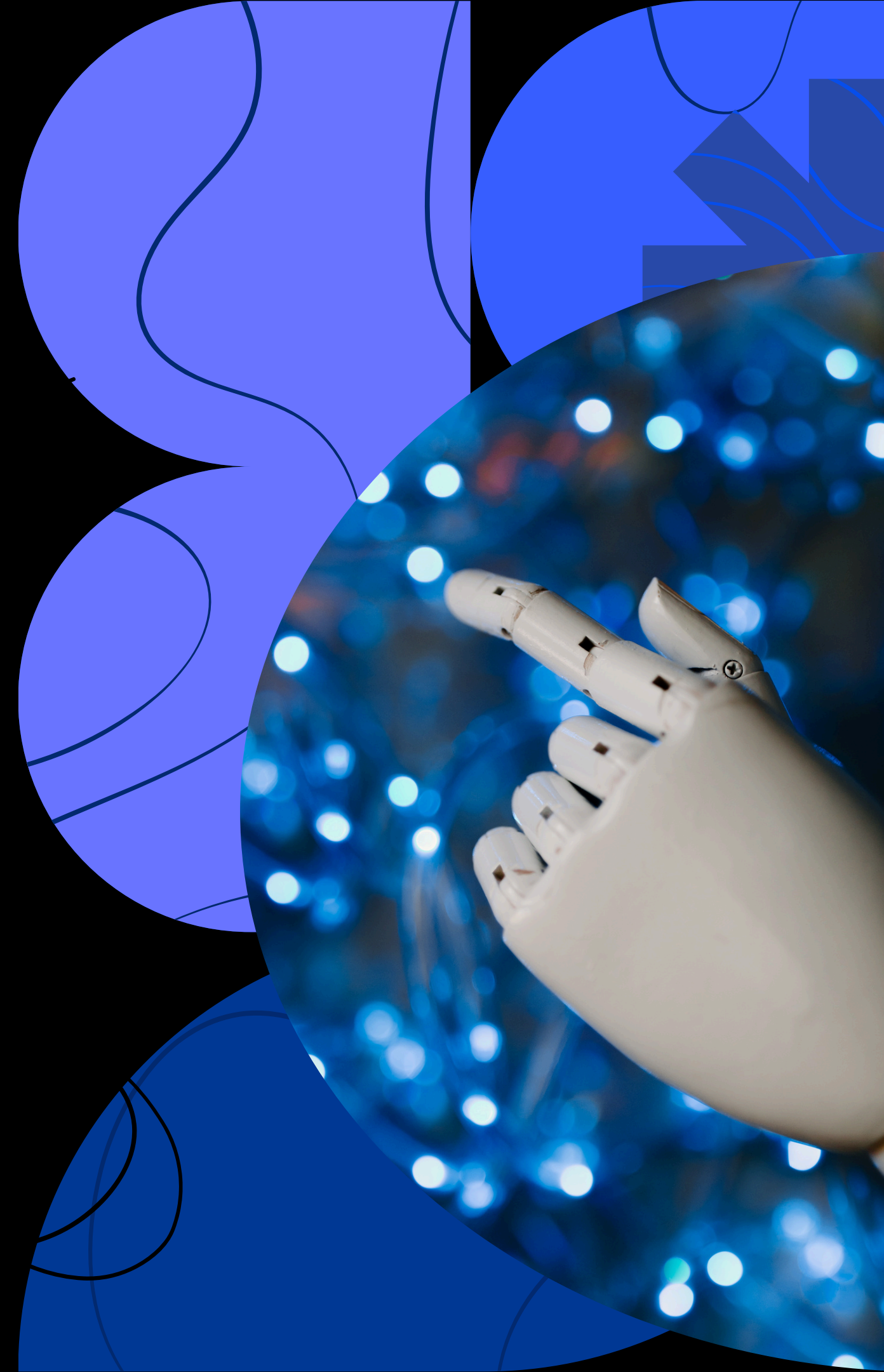
# AI Revolution

## Overview of Transformations

We are bringing a revolution in healthcare using artificial intelligence. Many patients struggles to explain their symptoms to doctors many people feel hesitate or shy to share their symptoms openly with their doctors, especially in rural areas or during emergencies.

Our solution is an AI-powered chatbot that understands symptoms, gives basic guidance, and help bridge the communication gap between patients and healthcare providers.

This project is a small but impactful step in using AI for social good.

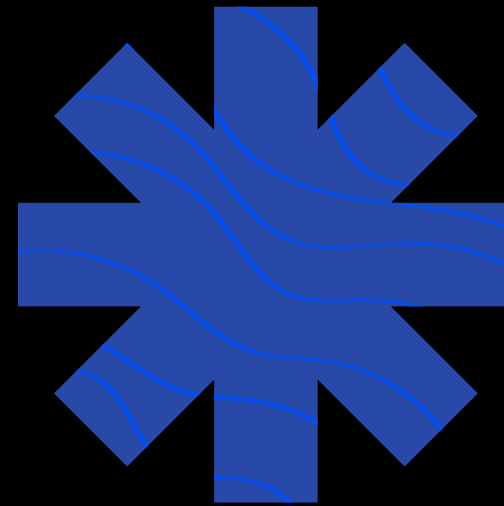


# Key Concepts in AI Healthcare Integration



## Symptom Understanding

The AI bot interprets patient-entered symptoms and suggests possible causes.



## Offline Access

Can work without internet using pre-stored data - perfect for rural/remote areas



## Instant Health Guidance

Provide basic do's and don'ts, precautions, and next steps instantly



# How Our AI Health Bot Works

Our AI health bot is designed to be simple, fast, and effective. The user starts by entering symptoms in everyday language - for ex: "headache and vomitting" or "cold with body pain" The bot then processs these keywords using built-in logic or a dataset of common illnesses.

Based on the input, it tries to match the symptoms with likely health conditions - such as fevers, cold, or migraine. Finally, it response with a helpful message that includes possible causes, basic precautions, and what the user should do next - like rest, drink fluid, or consult a doctor if symptoms worsen. The goal is to give quick and easy health guidance, especially for people who feel shy or confused when explaining symptoms to doctors.



# Step By Step Workflow

- **Step 1 : User Input**

**The user types symptoms in simple language, like “fever and headache.”**

- **Step 2 : Symptom Analysis**

**The bot uses python logic or a basic dataset to match keywords with known health issues.**

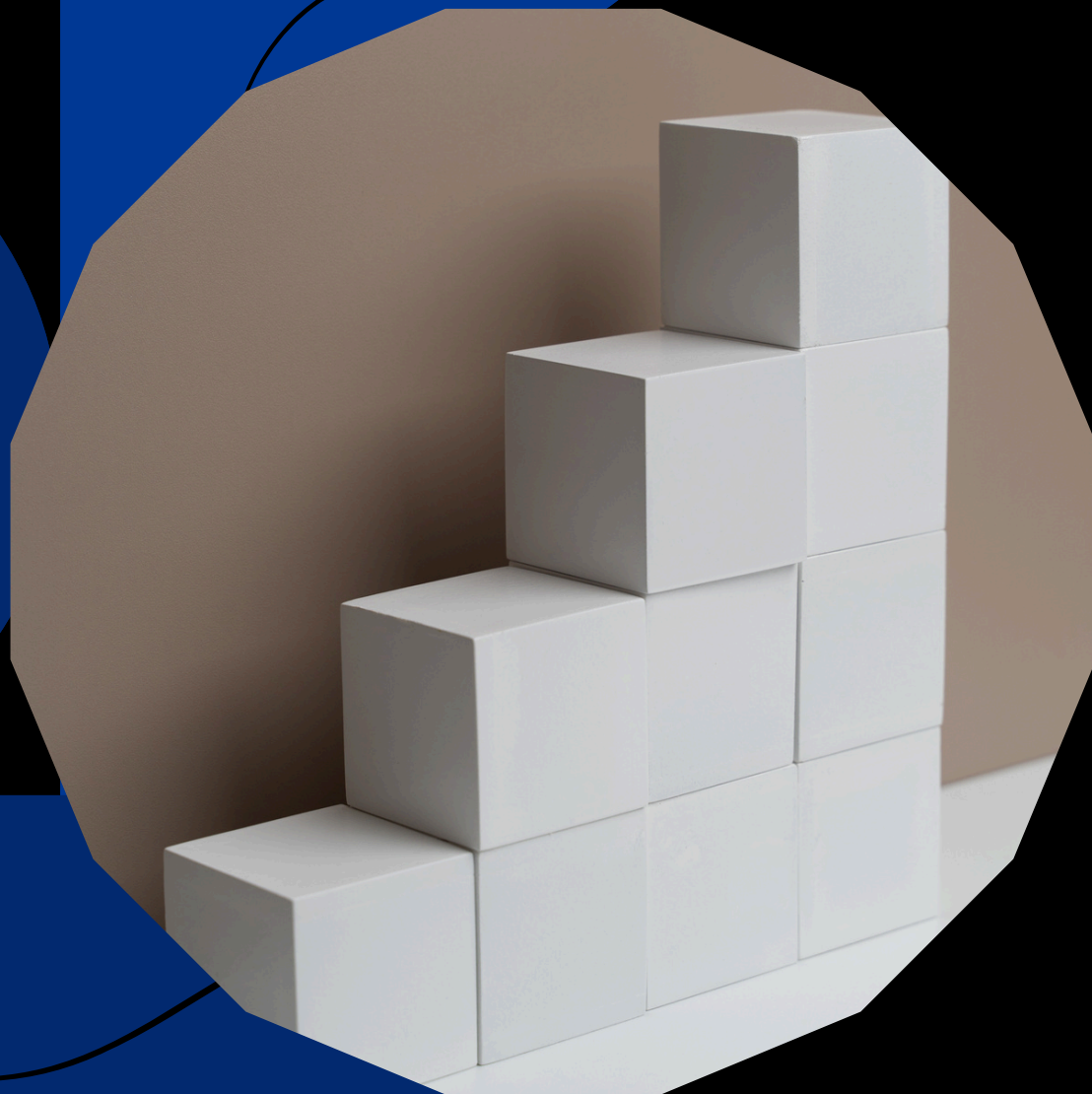
- **Step 3 : Condition Prediction**

**Based on symptoms, the bot suggests a possible conditions (e.g., cold, migraine, fever).**

- **Step 4 : Health Advice**

**The bot respond with tips like “rest, drink fluid,” or “consult a doctor if it continues .’**

- **future add on : The bot can store unknown queries for learning and improvement**



# Key Benefits of AI in Healthcare

## Quicker Assessments

The AI bot can quickly gather and process symptom information, assisting healthcare providers in prioritizing cases based on urgency

## 24/7 Availability

Patients can access help anytime, without waiting for office hours.

## Preventive Care:

Early detection of potential health issues through symptom assessment can lead to reduced long-term treatment costs



# Future Scope



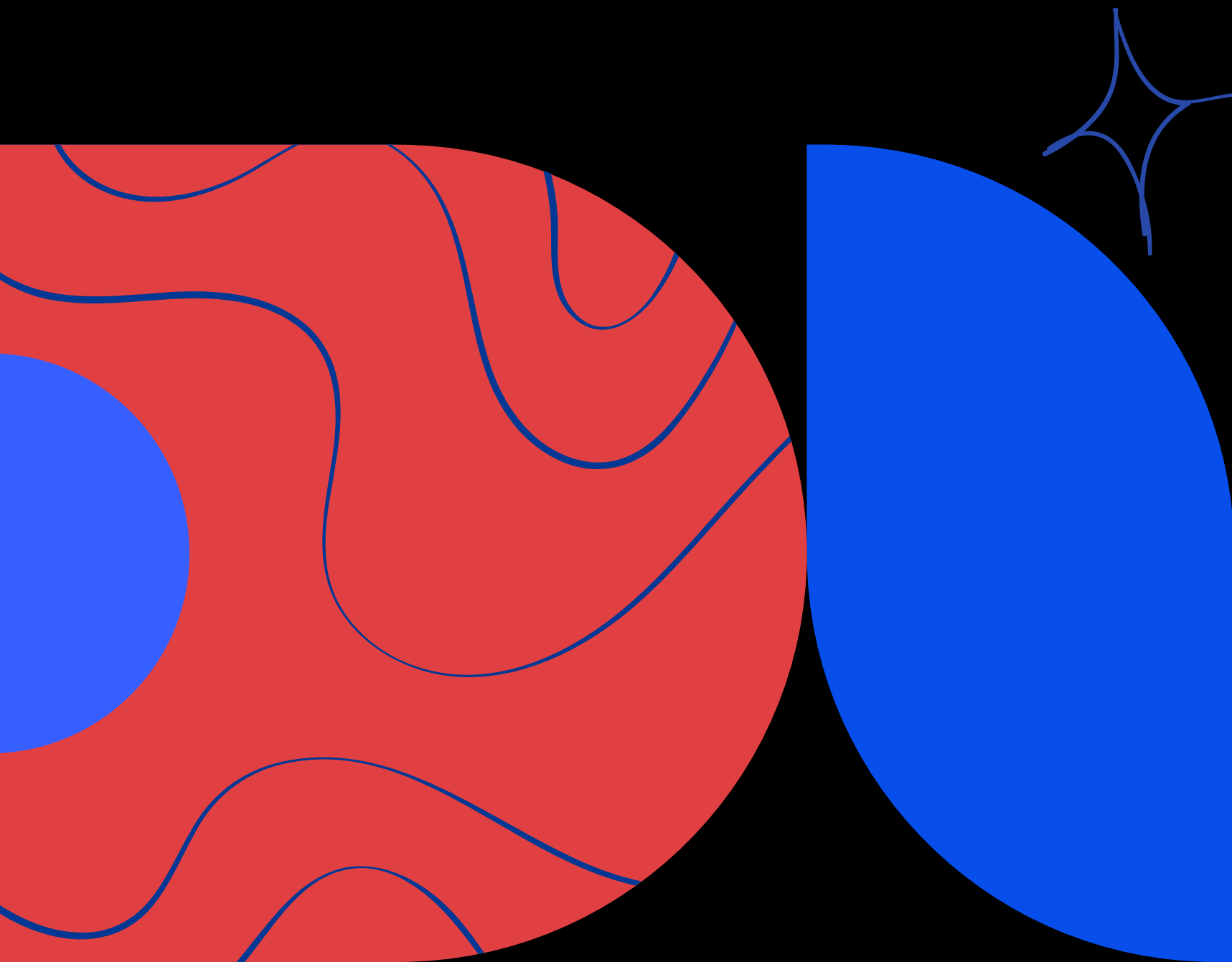
- Collaborations with healthcare systems enhance functionality and credibility.
- Partnerships with research institutions validate effectiveness and improve technology, keeping the AI bot advanced in healthcare.

- **AI-Driven Predictive Analytics:**
  - **Predictive Health Insights :** Analyze trends and predict health risks using user data for proactive management.
- **Epidemiological Insights:** Use AI to examine large health data sets for patterns to guide public health responses.
- **Advancements in Natural Language Processing (NLP):**
  - Enhanced understanding through sophisticated algorithms for human-like interactions.
- Multilingual support to serve diverse populations and improve accessibility for non-English speakers.



# Thank You for Your Attention!

Reach out for more information



# Team members

Team leader : Danish

Team member : Hari om

Idea : Danish and Hari om

Role :

Backend and frontend : Hari om

Presentation and Design : Danish

“Open to team collabration for further  
development”

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