Hack-for-Health
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JANSEVAK

Personalized Healthcare telemedicine assistant platform

Artificial Intelligence (AI) has revolutionized the field of telemedicine and healthcare, offering innovative solutions to enhance patient care, improve efficiency, and streamline various processes.

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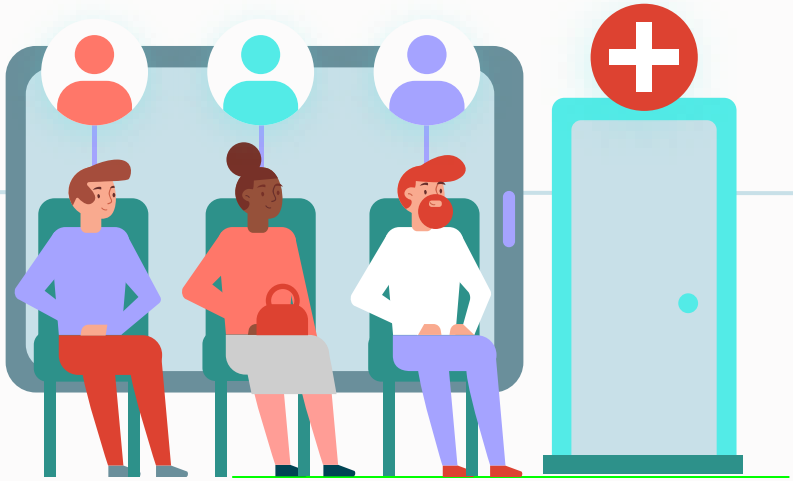
Problem Statement



To develop an Innovative AI-powered solution that addresses critical challenges in Healthcare and Well Being.
This advanced system should have the capability to continuously gather and analyze a diverse array of healthcare data while promoting healthy lifestyles and wellness practices.

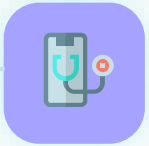
Objectives | goals

Personalized Healthcare:

To create an AI-driven system that provides individuals with personalized health recommendations based on their medical history, genetics, and lifestyle. This should empower people to make informed decisions.

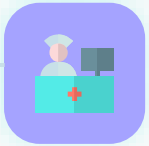
Mental Health Support:

To develop a platform that leverages AI to detect early signs of mental health issues and offers timely interventions or resources to promote mental well-being. This could include chatbots, virtual therapists, or mood-tracking tools.



Remote Patient Monitoring:

To build a solution that allows healthcare providers to remotely monitor patients' vital signs and health metrics in real-time, facilitating early intervention and reducing hospital readmissions.



Health Equity:

To create a tool that uses AI to address disparities in healthcare access and outcomes. This could involve identifying underserved communities, improving healthcare literacy, or optimizing resource allocation.

02

Solution

Our comprehension is rooted in the historical struggles of rural healthcare, characterized by a dearth of technological integration and comprehensive health records.
The Visionary solution, **JanSevak**, seeks to empower Healthcare practitioners with an economical tech-driven approach.
Harnessing the capabilities of Generative AI (Gen AI), **JanSevak** processes unstructured health data to metamorphose rural healthcare. This entails delivering Precise diagnoses, formulating personalized treatment plans, and rendering cost-effective services.

Problem Solution (Methodology/approach):

Features:

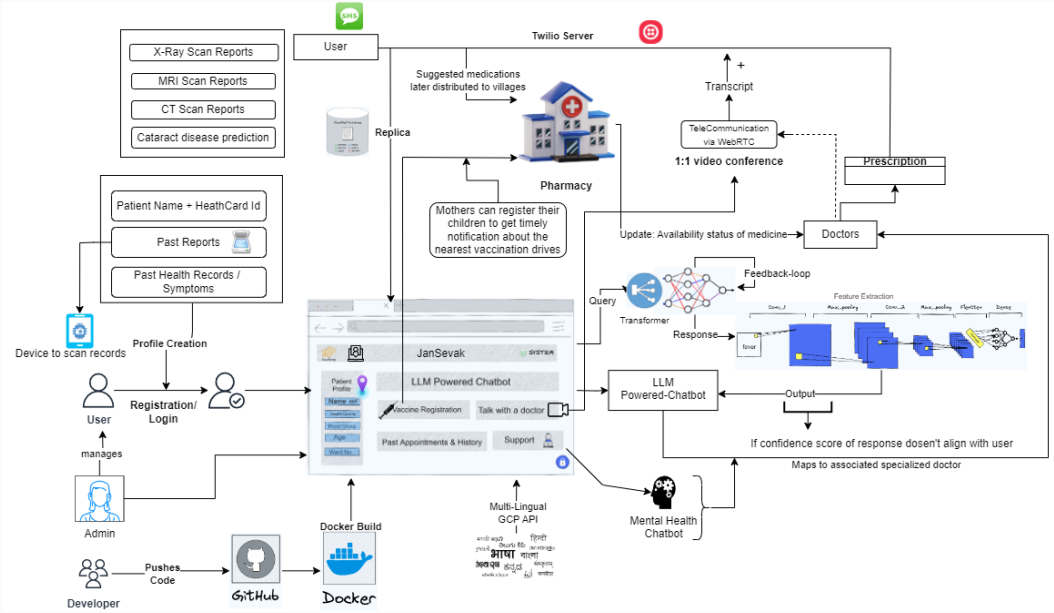
- Seamless Doctor Booking
- Convenient Video Conferencing
- Automated Prescription and Medicine Dispatch
- Data-driven Insights
- Improved Accessibility & Cost-effective Healthcare
- Transcription services
- Patient Profile Creation

We aim to build a tech based solution that leverages Gen AI, ML and data analysis to address the challenges faced by healthcare practitioners. Some of the use cases our solution provides are:

- Comprehensive Health Profile
- Efficient Diagnosis
- Enhanced Telemedicine
- Personalized Treatment Plans

03 WorkFlow

03.1 Architecture Diagram:



03.2 Tech Stack:

Frontend:

- HTML | JS
- Tailwind

Backend:

- Python | Flask
- mongoDB
- Tenorflow

Developer Tools:

- Git
- docker

04 Business Models

Revenue Sources:

- Subscription-based model
- Commission-based model
- Advertisement model
- Booking Appointments and Medicine Delivery Charge

Future Scope:

- Expansion to New Geographies
- Integration of Advanced Technologies
- Partnerships with Healthcare Providers