

## Swastha Sathi: Telemedicine for Rural India

Bridging the healthcare gap in rural communities. Swastha Sathi delivers accessible, affordable, and convenient telemedicine services.

### **Understanding the Challenge & Target User**

#### The Challenge

Limited access to doctors and healthcare facilities in rural areas creates significant disparities in healthcare outcomes. Many rural patients lack convenient access to timely and quality care, leading to delayed diagnoses and treatment.

#### **Target User**

The primary user is a resident of a rural Indian community, often with limited mobility or financial resources, seeking access to medical advice and basic healthcare services. They also need convenient access to information about nearby pharmacies, diagnostic centers, and available medications.

## Our Solution: Swastha Sathi Features

#### **Video Consultation**

Direct video calls with qualified doctors, accessible via the app.

#### **Local Pharmacies**

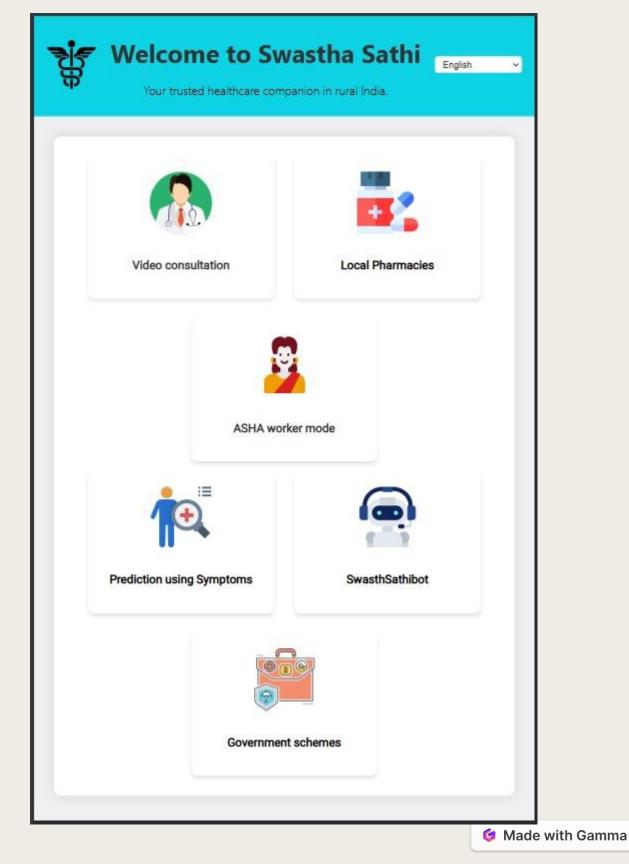
Find nearby pharmacies and order medications with ease.

#### **AI Symptom Checker**

Preliminary symptom assessment for initial guidance.

#### **ASHA Worker Mode**

Simplified interface for ASHA workers to register patient data.



# Technical Architecture & Implementation

Project Technology Stack Overview

1

#### **Frontend**

Lightweight, multilingual web app for ease of use.

2

#### Backend

Secure API for managing user data, consultations.

3

#### **Database**

Scalable to accommodate growing user base.

4

#### **Al Integration**

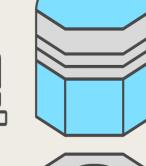
Reliable symptom assessment and chatbot assistance.



Involves HTML, CSS, JS, and Bootstrap for user interface design



Employs machine learning and SVM for health predictions





#### **Video Call Feature**

Utilizes public API calls for video communication



#### Chatbot

Implements API calls for interactive dialogue



## Measuring Impact: Key Metrics



#### **Adoption Rate**

Measure the increase in user adoption among rural populations.



### Consultation Volume

Track the number of video consultations conducted.



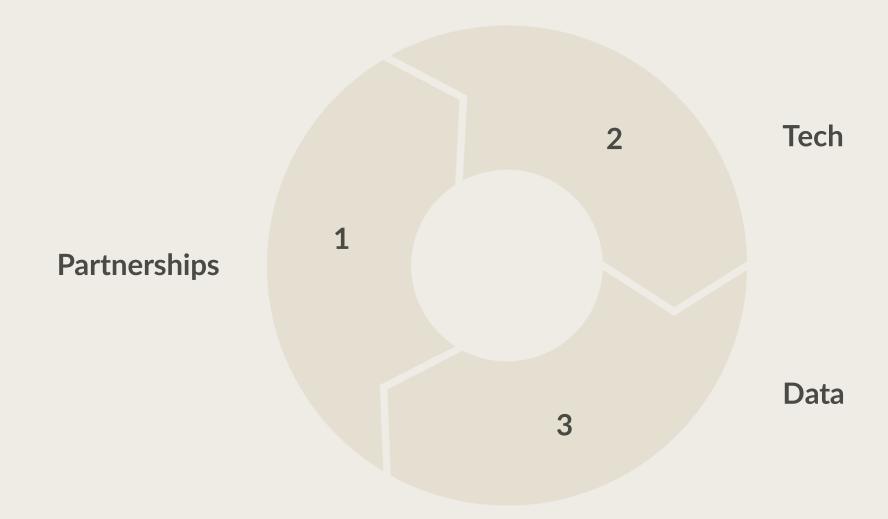
#### **User Satisfaction**

Assess user satisfaction through feedback.

Integrate with government healthcare schemes for wider access and benefits.



### Scaling for the Future: Growth



Focus on strategic partnerships with local healthcare providers. Enhance platform tech with Al. Continuous improvements to our data.