

# AI-POWERED SYMPTOMS CHECKER AND VACCINATION TRACKING APP

Team Name : **Code Care**

Team Members :

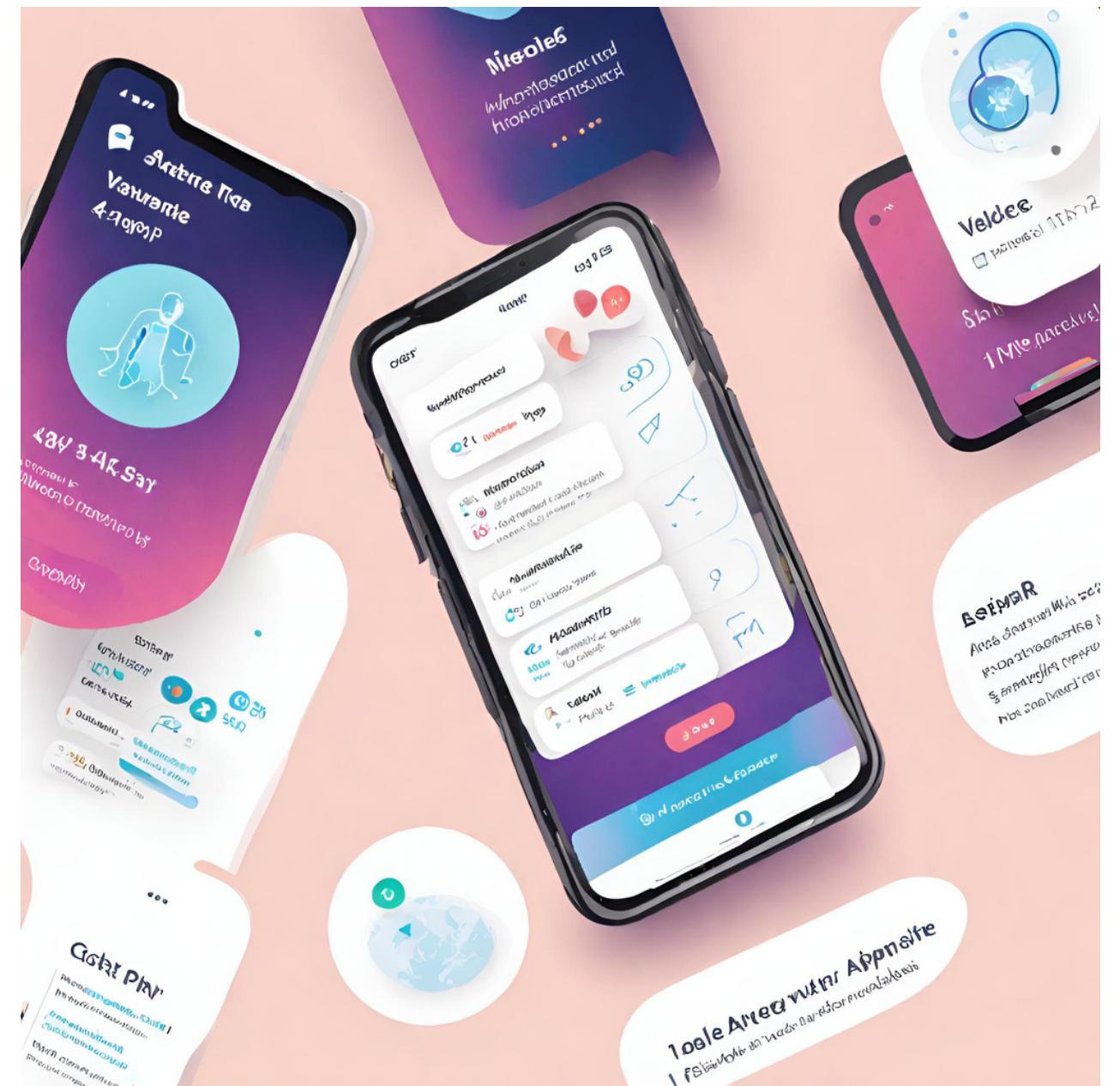
- Vignesh L
- Jayashri V
- Harshan M
- Karthika B

College Name : **Saranathan College of Engineering**



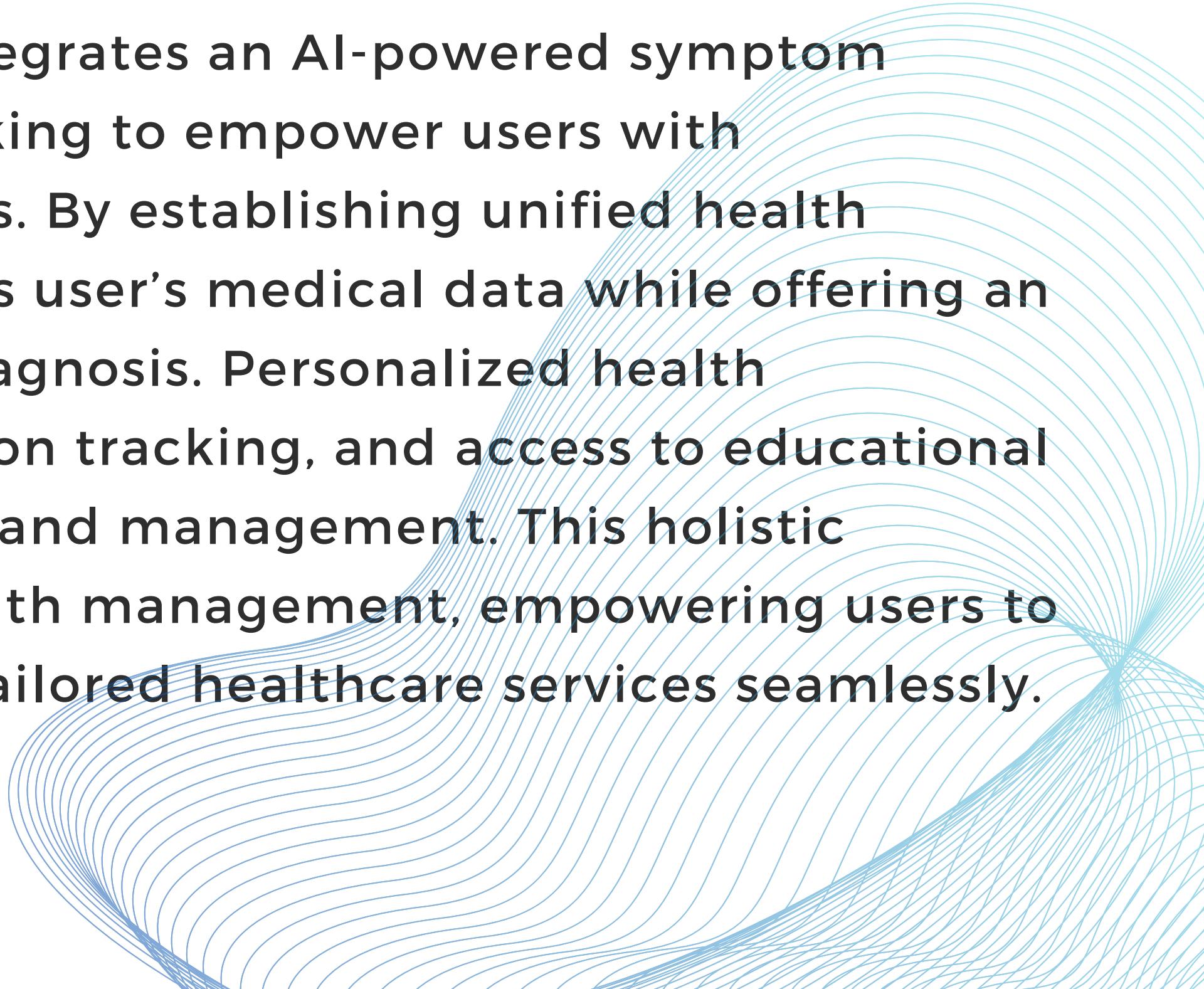
# TABLE OF CONTENTS

- Abstract
- Problem statement
- Relevance of the problem
- Proposed Solution
  - Based on UI/UX
- Architecture Overview
- Pros and Cons of your Solution
- Feasibility Study
- Comparison With Existing
- Conclusion



# ABSTRACT

This unified healthcare application integrates an AI-powered symptom checker and smart immunization tracking to empower users with personalized health management tools. By establishing unified health profiles, it securely stores and manages user's medical data while offering an intuitive symptom checker for early diagnosis. Personalized health recommendations, proactive vaccination tracking, and access to educational resources enhance disease prevention and management. This holistic approach revolutionizes proactive health management, empowering users to make informed decisions and access tailored healthcare services seamlessly.



# PROBLEM STATEMENT

Existing healthcare applications lack integration, resulting in fragmented user experiences for symptom checking and immunization tracking. Combining these functionalities into a single AI-powered platform addresses this gap, offering users a holistic approach to proactive health management.



# RELEVANCE OF THE PROBLEM

The comprehensive healthcare application integrates symptom checking, vaccination tracking, and personalized health recommendations, fostering proactive health management. It enhances accessibility to healthcare services by promotes health literacy via educational resources, and ensures vaccination adherence for preventive care.

Additionally, it fosters community support, addressing evolving healthcare needs by leveraging technology to empower individuals and facilitate access to information and services.



# PROPOSED SOLUTION

## Your Health at Your Fingertips:

Introducing Your Unified Health App  
One app, personalized guidance for a  
healthier you:

- **Centralized profile:** Manage your medical history, vaccinations, and demographics securely.

**Profile**



Name

-  Edit profile
-  Medical Report
-  Vaccination
-  Help
-  Log out

**Medical Report**



Name

January 5th, 2024

Vaccination

scheduled at 9:00 am  
venue: sms hall banglore

January 5th, 2024

Cardiologist

scheduled at 9:00 am  
Attending Dr Sunil Kumar

January 5th, 2024

Diabetonologist

scheduled at 9:00 am  
Attending Dr Rajesh

# PROPOSED SOLUTION

- **AI-powered symptom checker:**  
Gain insights into potential diagnoses and recommended actions.

### Symptom Checker

Name

Age

Gender  
male   
female

Add your Symptoms  
+ Add symptom

Regular Medicines  
Yes   
eg. Paracetamol  
  
No

**submit**

### Symptom Checker

Description

Symptoms  
eg. Fever, Cough, Headache

For 3 Days

Weight : 65 kg

Temperature : 105 °F

Prescription Recommended

eg. Paracetamol  
  
calpol

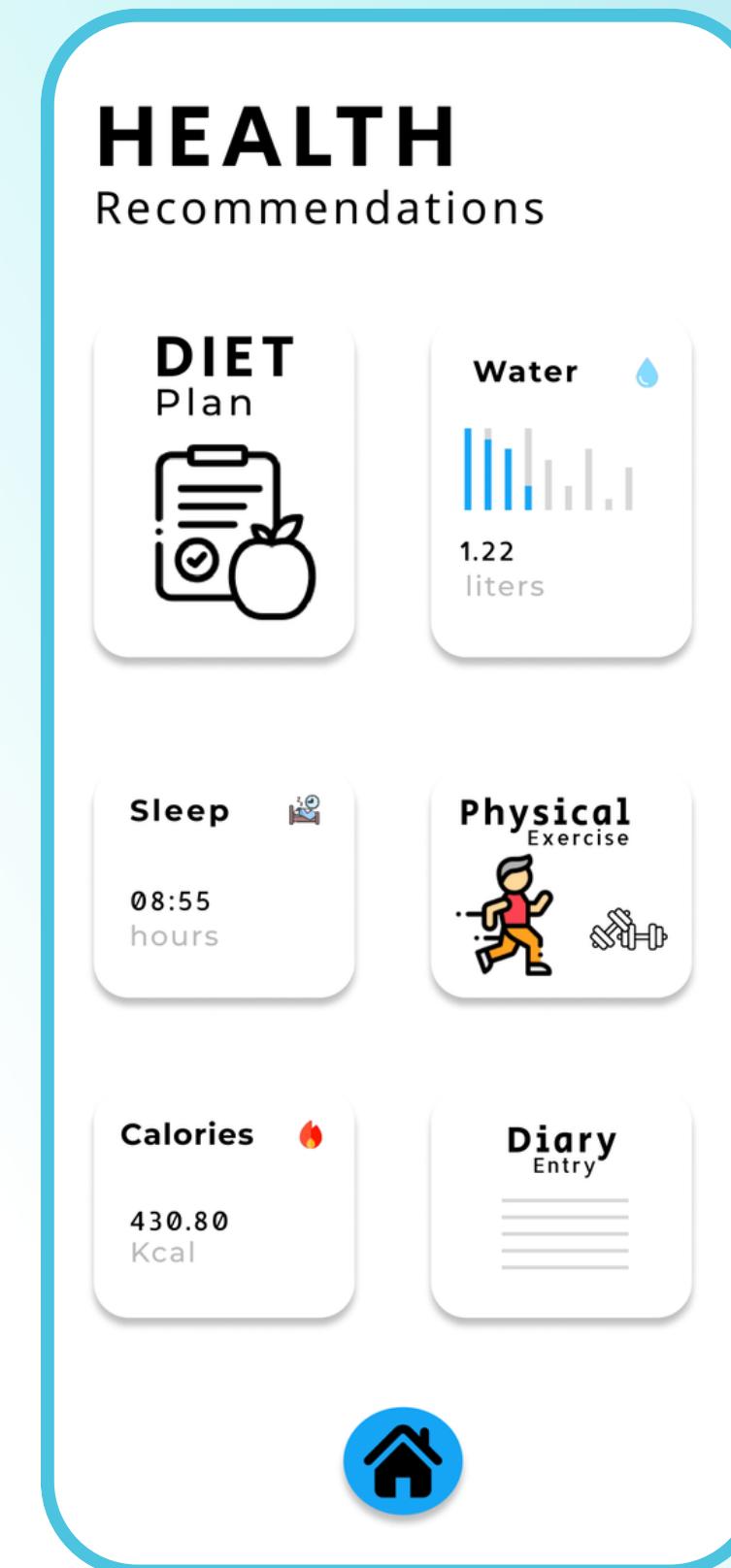
Verified by Doctor

Caution

While this app can provide insights, please remember it cannot replace professional medical advice. If your symptoms are severe, please consult a doctor immediately.

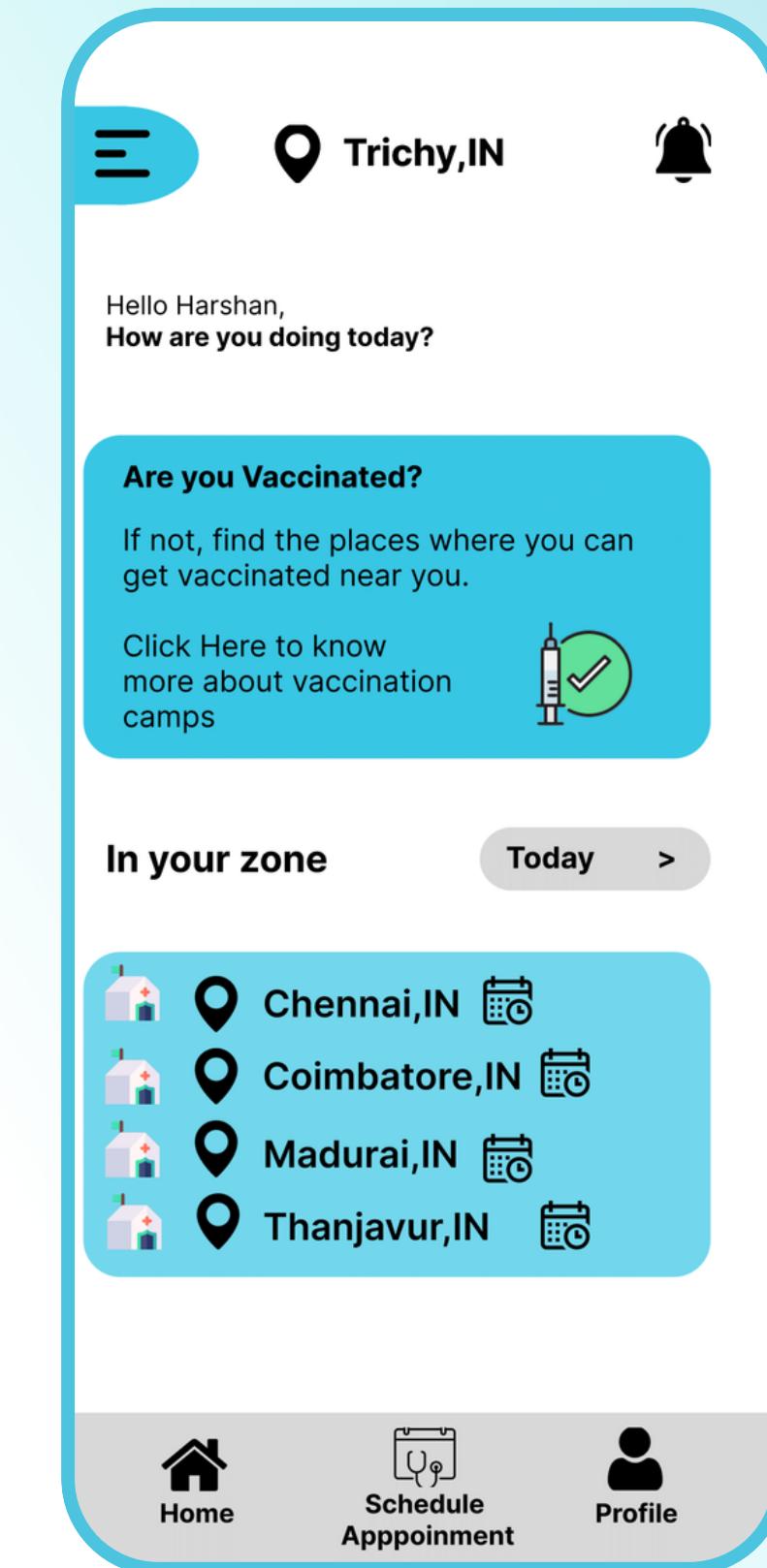
# PROPOSED SOLUTION

- **Personalized health recommendations:**  
Receive tailored advice based on your unique needs.



# PROPOSED SOLUTION

- **Early detection reminders:** Stay on top of preventive screenings and vaccinations.



# PROPOSED SOLUTION

- **Educational resources:** Learn about health topics, news, and guidelines.

## Educational Resources

"Caring for You, Every Step of the Way"



Mental Health



Trending Health News



Health Tips



Articles

# PROPOSED SOLUTION

- **Community support:** Find encouragement and share experiences with peers.

## Community Support

Together we are working towards a  
Healthier Community

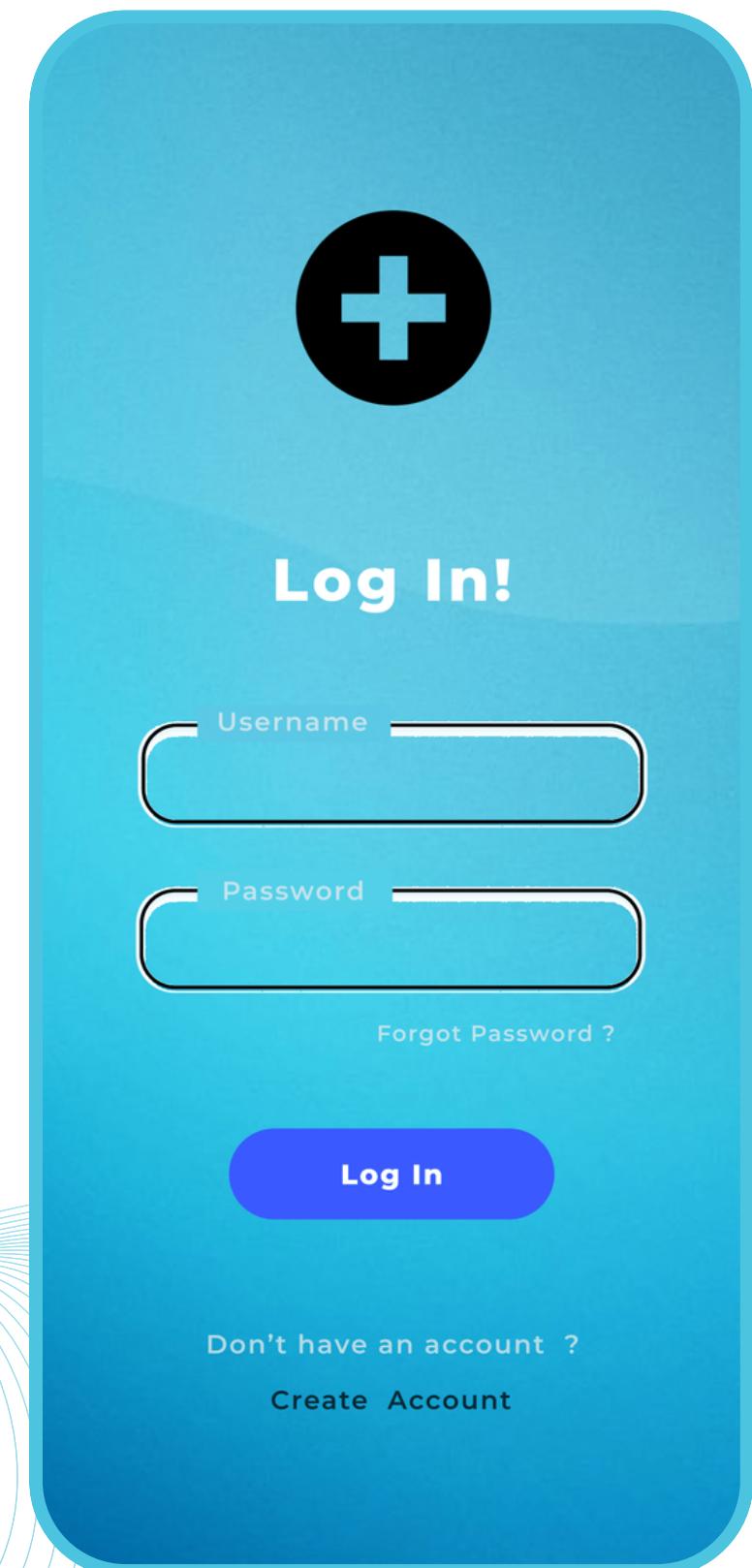


## Feedback

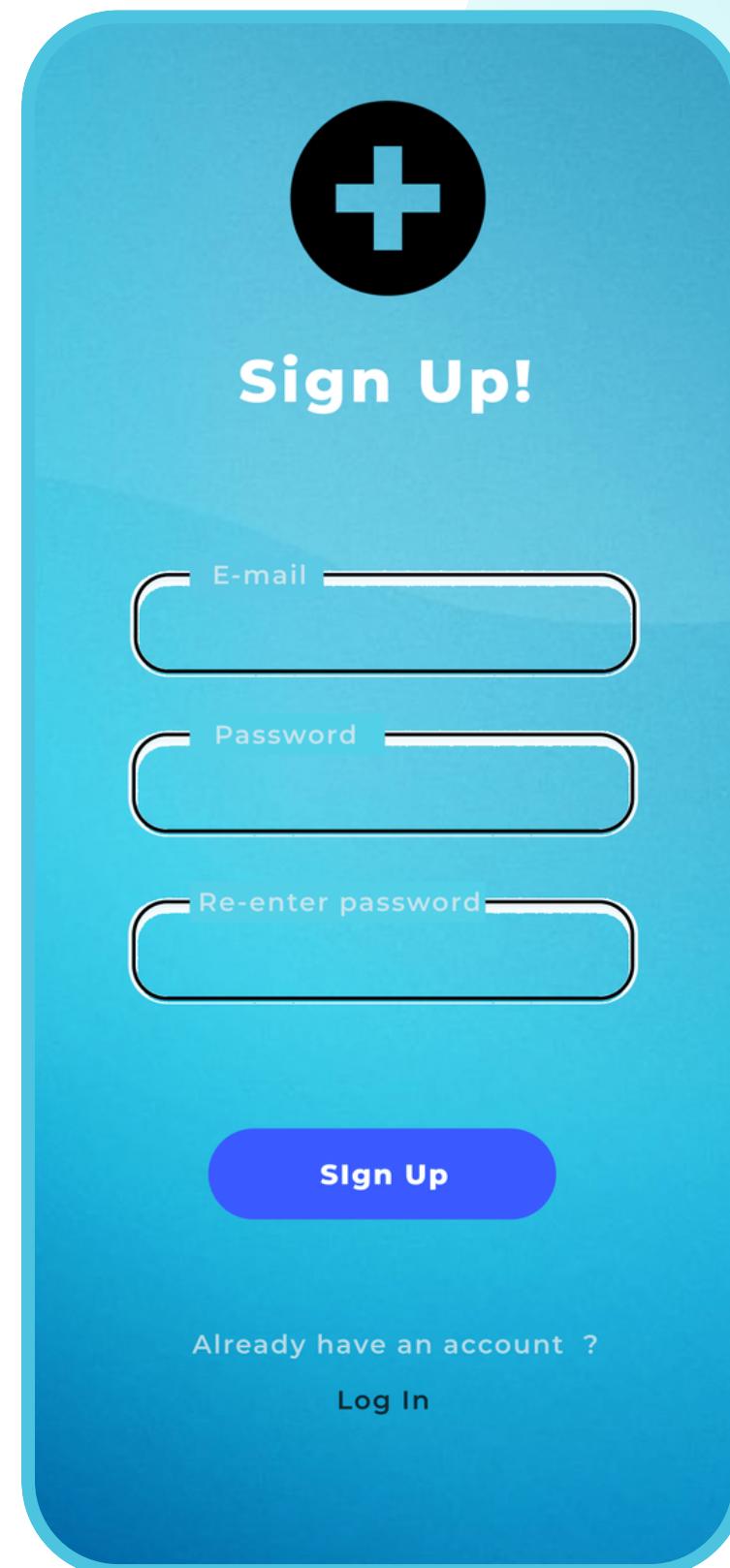


Contact Us  
Codecare@gmail.com

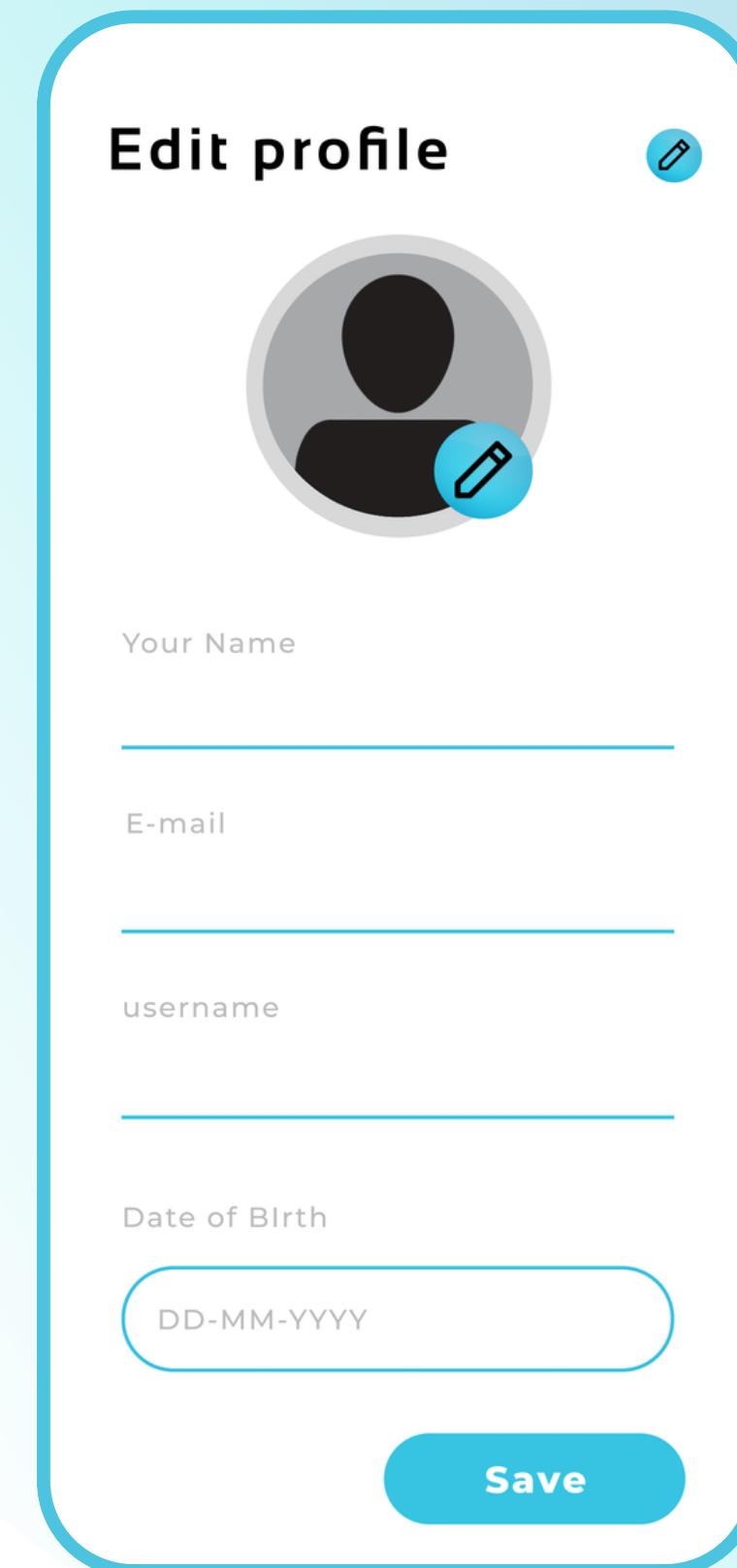
# PROPOSED SOLUTION - UI/UX



The Log In screen features a large black circle with a white plus sign in the center. Below it, the text "Log In!" is displayed in white. There are two input fields: "Username" and "Password", each with a placeholder text inside. A "Forgot Password ?" link is located below the password field. At the bottom is a blue rounded rectangular button labeled "Log In". At the very bottom, there is a link "Don't have an account ? Create Account".

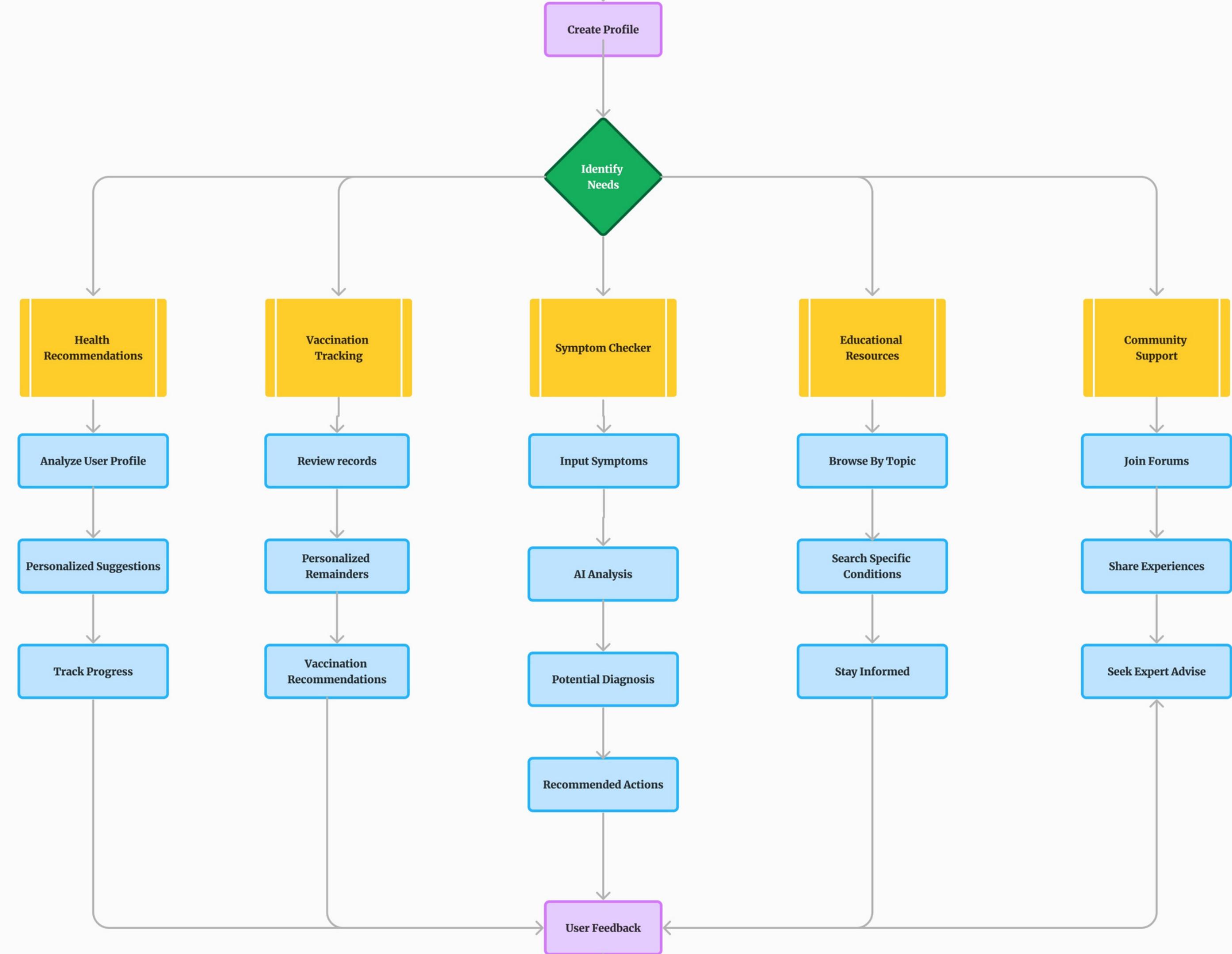


The Sign Up screen features a large black circle with a white plus sign in the center. Below it, the text "Sign Up!" is displayed in white. There are three input fields: "E-mail", "Password", and "Re-enter password", each with a placeholder text inside. At the bottom is a blue rounded rectangular button labeled "Sign Up". At the very bottom, there is a link "Already have an account ? Log In".



The Edit profile screen shows a circular profile picture placeholder with a black silhouette of a person and a blue pencil icon. Above the placeholder is the text "Edit profile" and a small edit icon. Below the placeholder are four input fields: "Your Name", "E-mail", "username", and "Date of Birth". Each field has a placeholder text. At the bottom is a blue rounded rectangular button labeled "Save".

# ARCHITECTURE OVERVIEW



# PROS AND CONS OF OUR SOLUTION

Pros	Cons (Solvable)
Holistic approach	Data privacy concerns (Robust security & transparency)
Personalized recommendations	AI bias & explainability (Fair algorithms & clear explanations)
Accessibility & convenience	Accessibility gap (Address technology barriers & digital literacy)
Community support	Potential misuse (Ethical considerations & control measures)
Potential cost savings	Regulatory compliance (Careful navigation & legal expertise)
Data-driven insights (Not a con)	Integration challenges (Standardization & partnerships)

# FEASIBILITY STUDY

- 1. Unified Health Profile:** Users create profiles providing personal information, medical history, vaccination records, and demographic details. The app securely stores and manages this data, ensuring privacy and compliance with data protection regulations.
- 2. Symptom Checker and Diagnosis:** The app features an AI-powered symptom checker that allows users to input their symptoms. Using machine learning algorithms and medical databases, the app analyzes symptoms and provides potential diagnoses, along with recommended actions.
- 3. Personalized Health Recommendations:** Based on users' symptoms, medical history, vaccination records, and demographic factors, the app generates personalized health recommendations. These may include preventive measures, lifestyle changes, medication advice, and referrals.

# FEASIBILITY STUDY

- 4. Vaccination Tracking and Reminders:** Integrated with the Smart Immunization Tracking feature, the app tracks users' vaccination records and sends timely reminders for upcoming vaccinations and booster shots. Recommendations are personalized based on users' age, medical history, and travel plans.
- 5. Telemedicine and Consultation Services:** Integrated telemedicine features allow users to schedule virtual appointments with healthcare professionals, consult with doctors, and receive medical advice remotely. Users can access a network of qualified healthcare providers for virtual consultations, second opinions, and follow-up care. These five points can be achieved through our website software.

# COMPARISON WITH EXISTING SOLUTIONS

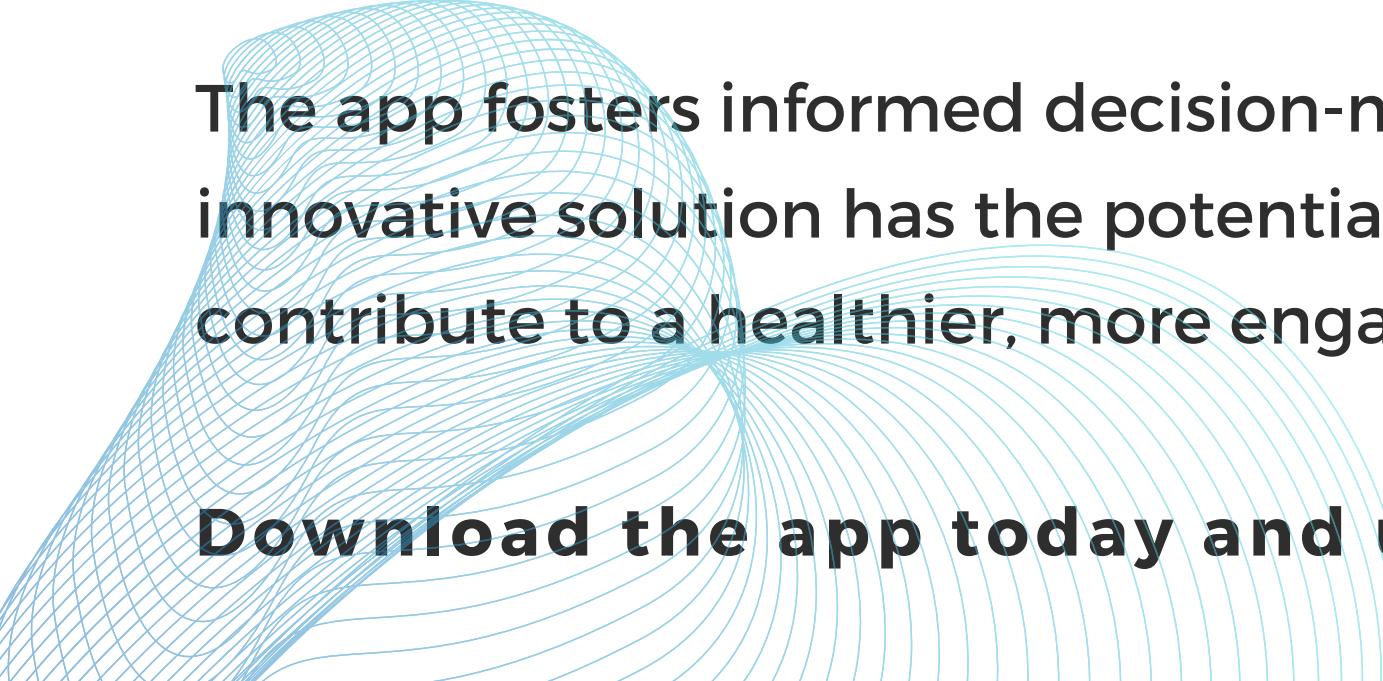
Feature	Existing Solutions (Symptom Checker Apps)	Non-Existing Solution (Integrated App)
Symptom Checking	Yes	Yes
AI-powered diagnosis suggestions	Yes	Yes
Medical information & resources	Yes	Yes
Vaccination tracking	No	Yes
Immunization reminders	No	Yes
Integrated platform	No	Yes
Additional healthcare features	Limited	Potential for expansion

# CONCLUSION

**“Your Health, At Your Fingertips!”**

This proposed comprehensive healthcare app goes beyond symptom checking and immunization tracking. It offers a holistic approach to proactive health management, empowering individuals to take control of their well-being. By seamlessly integrating features like:

- AI-powered symptom analysis with personalized recommendations
- Vaccination tracking and reminders
- Educational resources and telemedicine consultations
- Community support and engagement



The app fosters informed decision-making, early detection, and preventive action. Ultimately, this innovative solution has the potential to significantly improve individual health outcomes and contribute to a healthier, more engaged community.

**Download the app today and unlock a new era of personalized healthcare!**