

# PillPal - The Perfect Pill Management Solution

— - *Byte Crunchers*

# Technovision Hackathon

**Team name :**  
Byte Crunchers

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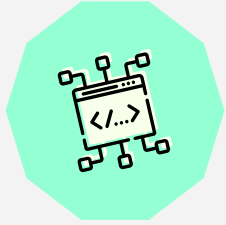
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**Area** : Hospital and Medical field

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**Problem Statement** : To optimize the tracking of medication schedules in an interactive manner which also recommends the best doctors in the area





# 01

## — Problem vs solutions

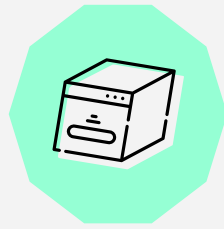
An Interactive Medication Management System

# Problems

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1. Typical Pill management apps are overwhelming and don't feel rewarding.
2. Lack of an integrated healthcare portal, making it difficult for those who are not well versed with technology to find the right services.
3. Typical pill reminder apps do not provide a creative solution to send effective reminders to the user that don't merely remain to be a notification.
4. Medication complexity: some medication regimens are highly complex, the app must be capable of accommodating various dosage, frequencies and interactions.



## Them

The traditional medication management solutions are often overwhelming, complex and do not provide a creative interactive solution.

They often aren't personalized or cost effective and can be tough to get used to.



## Us

Our solution is an interactive rather a game field version of the traditional ways that aid users and makes them independent to management their medication, alert them for pill timings, restock and recommend the best medical professionals nearby which is often hard to keep track of and overwhelming.

# Who All Need It?



1. Elderly people who live alone - they have to often manage multiple medication and memory related challenges may make adherence difficult.
2. Chronic disease patients : regardless of age, often require multiple medications. These apps can help them effectively manage their treatment plans and prevent complications.
3. Parents and caregivers : they are often responsible for managing the patients medications, they can benefit from these apps ensuring accurate dosage and reducing errors.
4. Busy professionals : people with hectic schedules may often find it difficult to keep track of medication.
5. People with limited knowledge in the medical sector.



# Why Is It Needed?



1. Medication management challenges: The need arises from common challenges individuals face when managing multiple medications, including complex schedules and various dosages.
2. Digital health trends : The increasing adoption of smartphones and digital health technologies creates an opportunity to leverage these tools to address medication management challenges in a less overwhelming and intimidating manner.
3. User Friendly Interface: Patients from the elderly age group are often not welcoming to the digital trend or are often intimidated using applications. The aim is to create a non-intimidating application which the users can easily understand and navigate through in an efficient way.
4. Personalized healthcare : Personalized healthcare is necessary to make the user or patient feel comfortable and make it easy to manage. This requires tailored personalized schedules and suggestions to meet individual medical requirements and preferences.

5. Cost effective healthcare: Healthcare can often be costly and people tend to shy away from resources or medication due to it. Improving medication adherence can lead to cost saving in the healthcare sector ultimately while enjoying the gamified and easy interactive medication management digitally.

6. Finding Healthcare professionals: Everyone cannot have proper knowledge about healthcare professionals to address their medical needs. We need application or proper access to the information that provides a list of experienced healthcare professionals tailored to suit the user's specific needs on the same platform, making it highly efficient as well as simplified.

7. Patient empowerment: Patients can feel comfortable and welcomed if they effectively manage their own healthcare and data while managing their health. If patients can actively participate in their healthcare, it empowers them to effectively manage their medication and doctors independently.

8 Healthcare disparities: Addressing healthcare disparities and ensuring that all individuals, regardless of their background, have access to tools that support medication management and finding the best doctor for any medical issue as a priority.

# SOLUTION



- Optimizing medication schedules with an interactive app can alleviate the overwhelming burden of medication management by offering **personalized solutions, visual reminders and tracking capabilities**.
- The app empowers individuals to better adhere to their medication requirements, reducing the risk of missed doses and any related complications.
- Additionally, they provide valuable doctor recommendations and simplify their healthcare experience, ultimately enhancing users' confidence and control over their healthcare while minimizing stress and confusion associated with multiple medications.

# SWOT analysis



## Strengths

Patients can feel comfortable and welcomed if they effectively manage their own healthcare and data while managing their health. If patients can actively participate in their healthcare.

## Opportunities

The increasing adoption of smartphones and digital health technologies creates an opportunity to leverage these tools to address medication management challenges.



## Weaknesses

People that aren't very tech savvy , especially the elderly may have issues navigating through the traditional app.

## Threats

Might not be as accurate as in person medical solutions.

# Product overview



## Interactive GUI to identify problems

Gamified Human figured shaped GUI to help locate problem

## Simplifies Complex Medication with reminders

Sends reminders according to users pill schedules

## Medication restock / appointment alerts

Alerts the user few days prior to restock / appointment scheduling

## Suggests the best medical professional

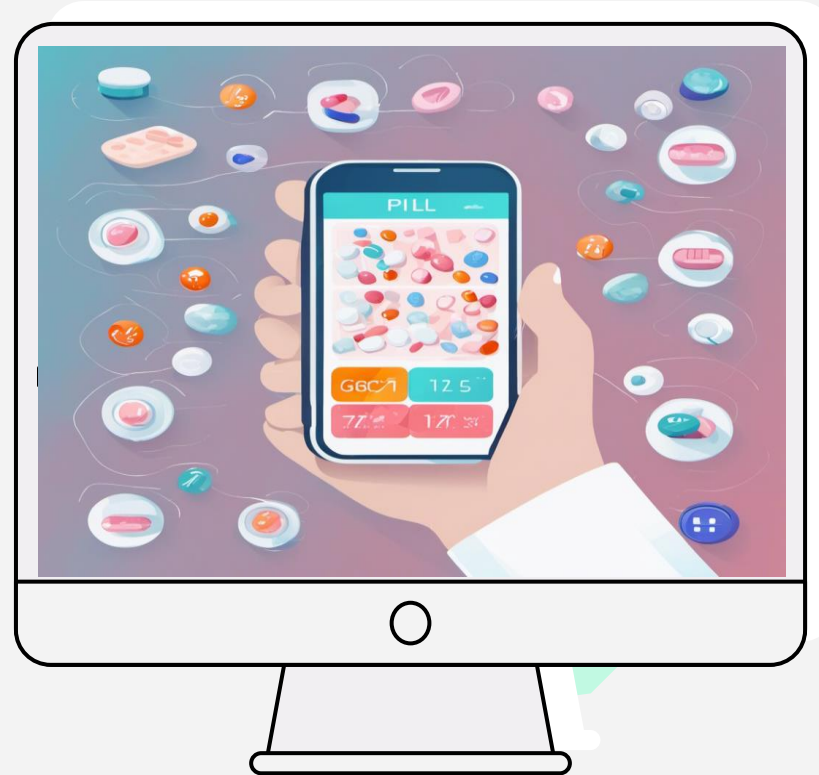
Suggests the best medical professional nearby according to the chosen area on the human body GUI

Product

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# PillPal - The Perfect Pill Management Solution

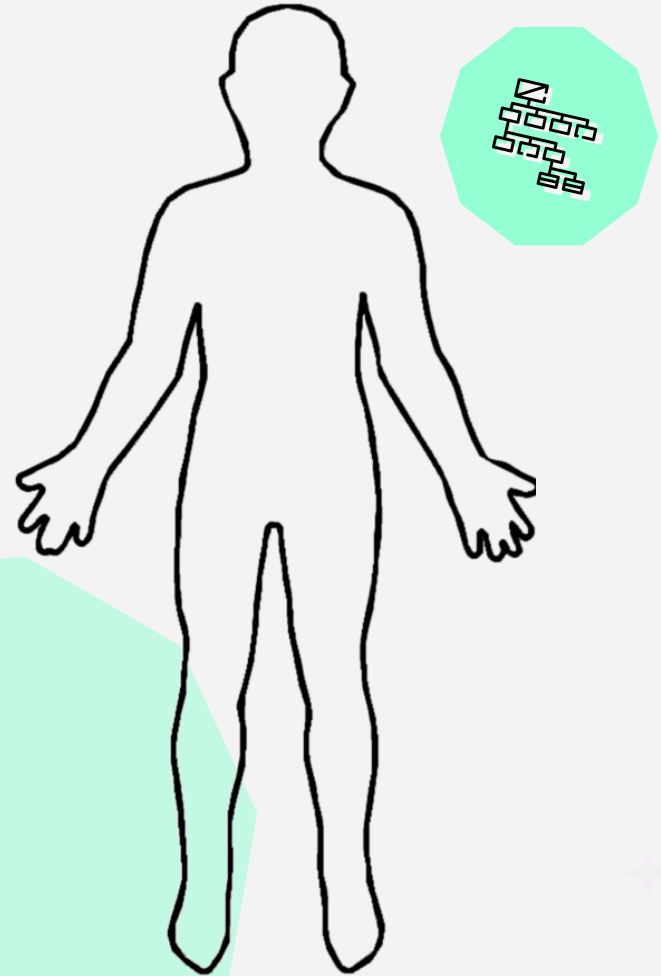
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# Gamified Human Figure GUI

Users can navigate the app using this friendly interface, making medication management a more engaging and efficient process.

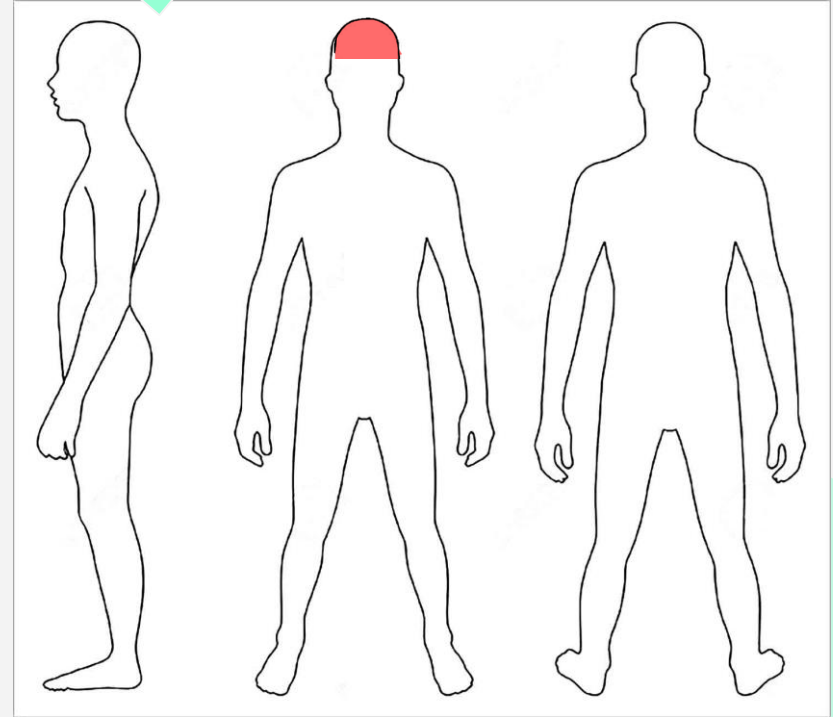
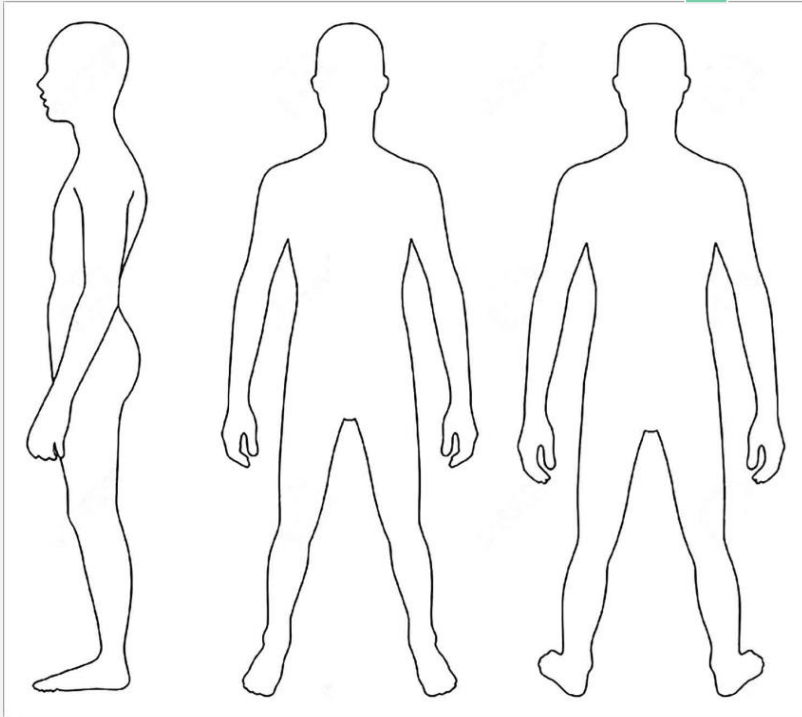
PILLPAL employs a fun and interactive human figure GUI, providing an intuitive and enjoyable user experience.



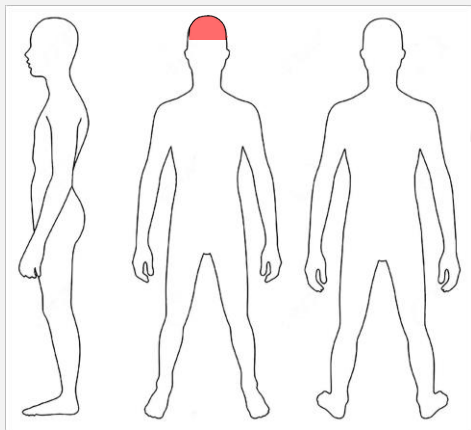
## Working :

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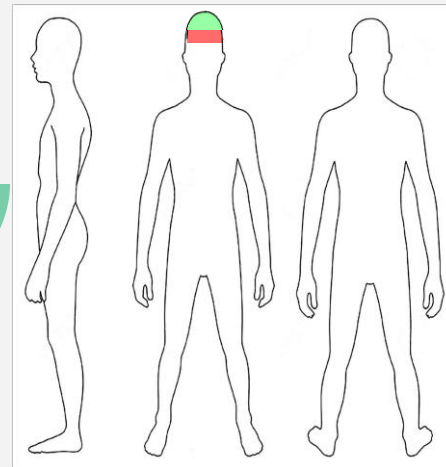
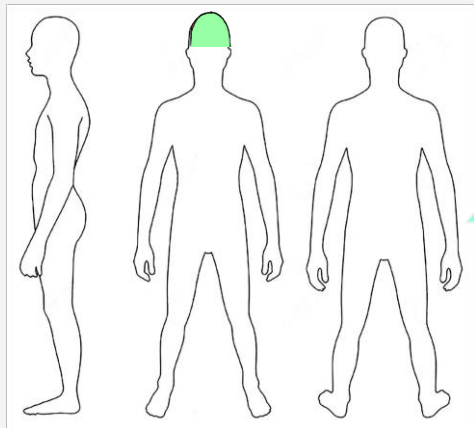
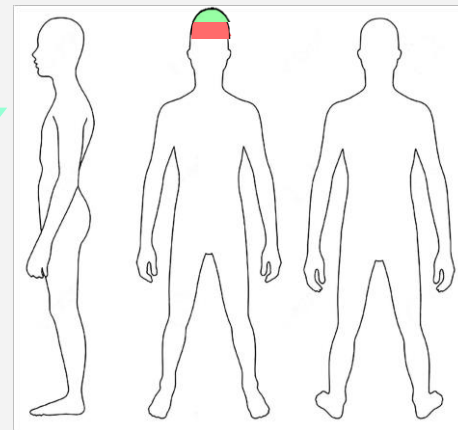
The User Selected Area gets highlighted to red



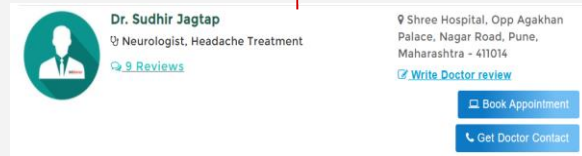




**With every dose of  
medication, the red  
area turn to green  
eventually**



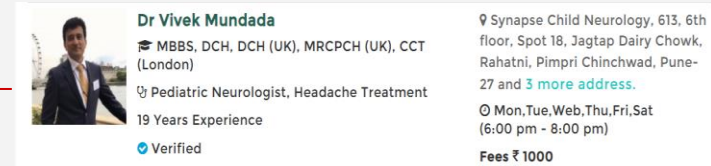
# Suggesting the Best medical Professionals nearby



**Dr. Sudhir Jagtap**  
Neurologist, Headache Treatment  
9 Reviews

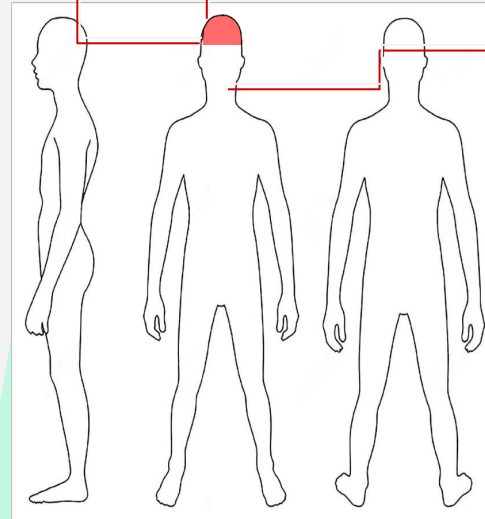
Shree Hospital, Opp Agakhan Palace, Nagar Road, Pune, Maharashtra - 411014  
[Write Doctor review](#)

[Book Appointment](#)  
[Get Doctor Contact](#)



**Dr. Vivek Mundada**  
MBBS, DCH, DCH (UK), MRCPCH (UK), CCT (London)  
Pediatric Neurologist, Headache Treatment  
19 Years Experience  
Verified

Synapse Child Neurology, 613, 6th floor, Spot 18, Jagtap Dairy Chowk, Rahatni, Pimpri Chinchwad, Pune-27 and [3 more address.](#)  
Mon, Tue, Web, Thu, Fri, Sat (6:00 pm - 8:00 pm)  
Fees ₹ 1000



**Dr. Sandeep B Patil**  
MBBS, MD, FIPN, FIPE (Australia)  
Pediatric Neurologist, Headache Treatment, Epileptologist  
97%  
Verified

Apex Clinic, Flat No-4, First Floor, Shirole Road, Opposite F.C College Main gate, Shivaji Nagar, Pune  
Fees ₹ 700  
[Write Doctor review](#)  
[Get Doctor Contact](#)

Access to suitable healthcare professionals encourages regular check-ups and fosters a proactive approach to health.

PILLPAL uses user data and preferences to recommend nearby healthcare professionals, making it easier for users to find the right medical support.

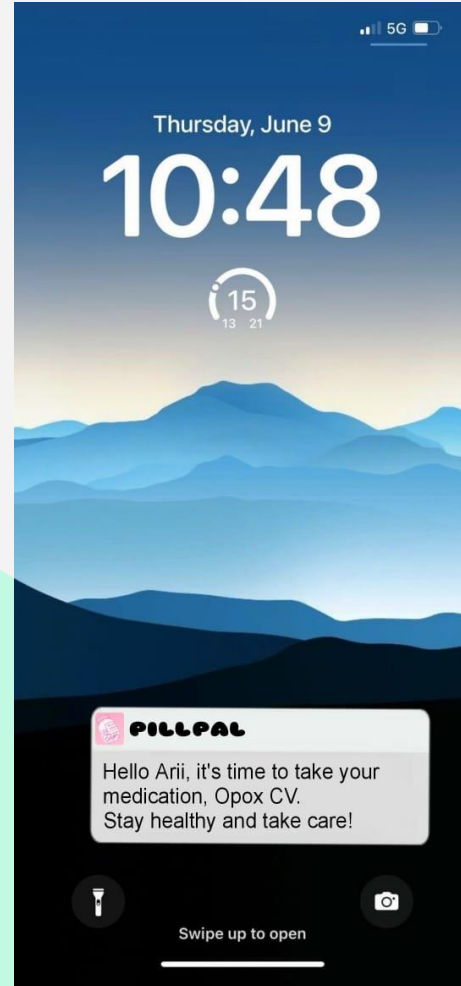
# Timely Reminders

Take your pills on time, every time, with PillPal.

Timely medications is crucial for successful treatment outcomes and overall well-being.

PILLPAL sends personalized reminders at scheduled times to prompt users to take their medication as prescribed.

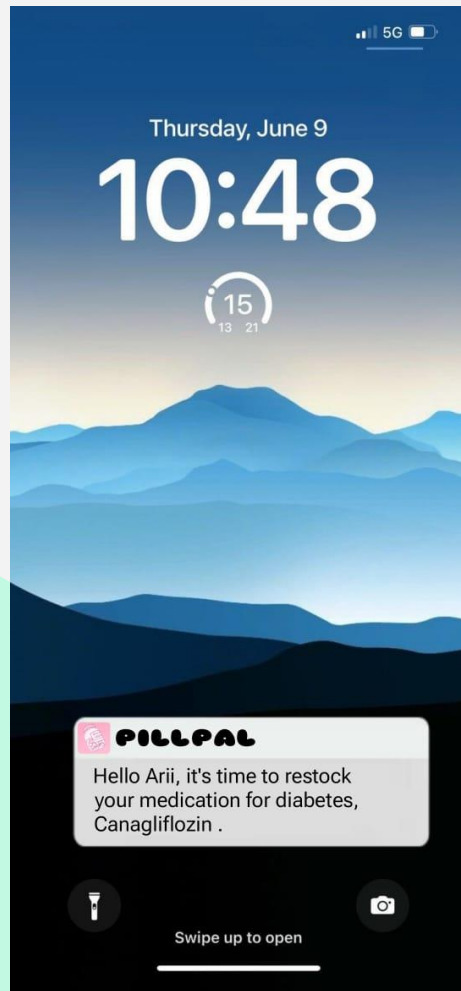
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# Restocking Reminders

Continuous medication supply is vital for managing chronic conditions and maintaining a healthy lifestyle.

PILLPAL tracks medication supply and notifies users a few days before they run out, ensuring they never miss a dose.




# CHARACTERISTICS OF PILLPAL:



## PARAMETERS:

COST	<div></div>	9/10
USEFULNESS	<div></div>	10/10
EASE OF USE	<div></div>	10/10
INTEGRATION WITH OTHER SOLUTIONS	<div></div>	9.5/10
RELIABILITY	<div></div>	9.5/10
INTUITIVENESS	<div></div>	9/10
HEALTH OUTCOMES	<div></div>	9.5/10
INDEPENDENCE	<div></div>	10/10

A man's profile is shown in a blue-tinted, semi-transparent style. Overlaid on his head is a complex digital brain graphic. This graphic consists of a circular network of nodes and lines, with various icons integrated into it: a Wi-Fi symbol at the top, a magnifying glass on the right, a musical note on the left, a gear in the center, a puzzle piece, a house, a bar chart, a dollar sign, and a speech bubble. The background of the entire slide is a light blue gradient.

The  
**PRESERVATION** of  
health is easier  
*than the CURE of  
the disease.*



**THANKYOU!!**

TEMPLATE CREDIT : SLIDESGO