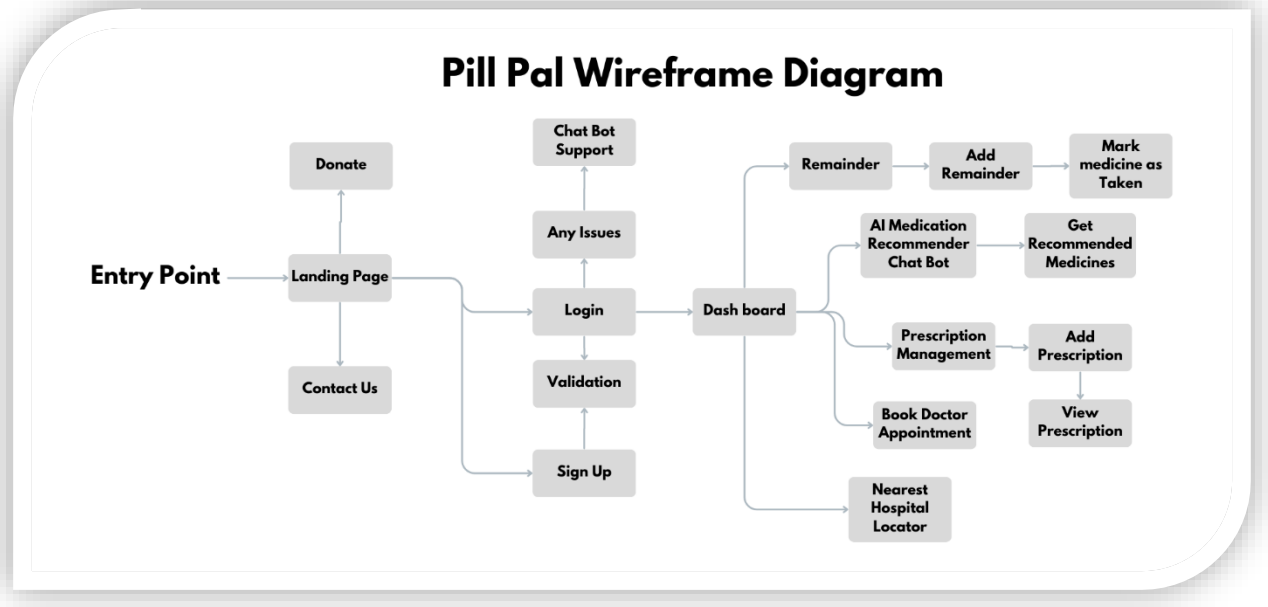
PILL PAL

The project was developed by Team Code Hawks, with Sarvan leading the AI integration & Landing Page Design, Sahil developing the manual reminder system, and Mohan & Nikhil designing the user-friendly interface. The AI chatbot, trained on Bot-press AI Agents Platform , suggests possible medications while advising users to consult healthcare professionals for confirmation. Pill-Pal's intuitive design and AI-driven approach aim to bridge gaps in medication management, particularly for elderly individuals and patients with chronic conditions. By leveraging automated notifications, and a user-centric UI, the website enhances accessibility and health outcomes. Future improvements include integrating voice-based assistance and real-time doctor consultations, making Pill-Pal a comprehensive digital health companion.

Domain Name: https://codehawks-mocha.vercel.app

GitHub Link: https://github.com/sarvan-2187/IEM-HACKS-3.0

Smart Medication Management System

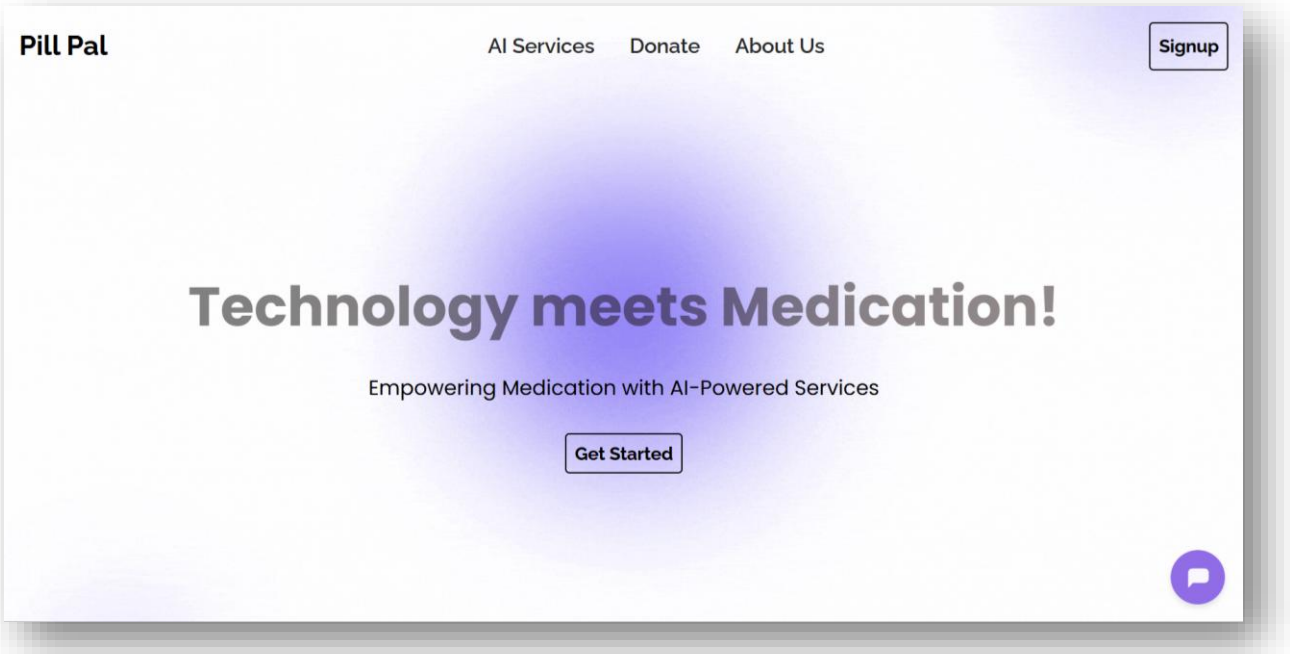


Description:

Pill Pal is a Medication Management System designed to help users keep track of their prescriptions, set reminders, and access AI-driven medication recommendations. The system includes user authentication, prescription management, chatbot support, an online medicine store, and a reminder system.

Users can sign up or log in through the Landing Page, access their Dashboard, and utilize various features like adding prescriptions, viewing AI Based Medication recommendations and setting Medication remainders

Landing Page:



Work flow:

1. User Entry:

- The user lands on the Landing Page.
- They can either Sign Up (new users) or Login (existing users).
- If there are issues, users can contact support through the Chat Bot.

2. Dashboard Access:

- Upon login, users access the Dashboard.
- The dashboard serves as the central hub for managing medications, prescriptions, reminders, and the AI recommender system.

3. Medication Reminders:

- Users can navigate to the Reminder section.
- They can Add a Reminder for their medicines.
- Once taken, users can Mark medicine as Taken.

4. AI Medication Recommender:

- Users can consult the AI Medication Recommender.
- The AI suggests medicines based on the user's symptoms.
- The system provides a list of Recommended Medicines.

5. Prescription Management:

- Users can go to Prescription Management to handle prescriptions.
- They can Add a Prescription and View Prescription details.

6. Book Doctor Appointment:

- Users can schedule doctor appointments.
- They can select their choice of doctor and their favourable time slot.

7. Nearest Hospital Locator:

- Users can search Nearby Hospitals based on their locations.
- They can view hospital details such as address, contact information.

8. Support & Issue Handling:

- If users face any issues, they can use the Chat Bot Support for help.

9. Additional Features:

- Users can also visit the Donate and Contact Us sections from the Landing Page.

Tech Stack Used:

1. Hyper Text Markup Language (HTML)
2. Cascading Style Sheets (CSS)
3. JavaScript (JS)
4. React JS
5. Bot-Press AI Agent Platform (AI Chat Bot)
6. Bootstrap Frame work
7. Font Awesome Library
8. Vercel (For Deployment)
9. Web3Forms API (For Contact)

Future Work:

- Collaborating Database for user credential validation as we are just using form validation for login.

Sources:

1. Knowledge Base of Chat Bot (AI Medication Recommender):
    a. https://platform.who.int/docs/default-source/mca-documents/policy-documents/essential-medicines-and-equipment/KHM-MN-32-02-EMD-2018-eng-National-Essential-Medicines.pdf
    b. https://iris.who.int/bitstream/handle/10665/93142/EML_18_eng.pdf?sequence=1

2. For Icons:
    a. https://www.svgrepo.com

3. Backgrounds & Color Palette:
    a. https://www.canva.com