



# SilverCare AI: Elevating Elderly Care with AI Companionship

Revolutionizing senior living by empowering individuals with intelligent AI companionship for a dignified and deeply connected life.

**Project Team:** Debug Dragons

**Team Members:** Janasruthi M, Keerthi M, Karunya V

**Showcase Event:** OpenAI Academy x NxtWave Buildathon

# The Challenge: Elderly Care in India

## Isolation & Safety Risks

Over 30% of seniors live alone, leading to profound loneliness and increased safety concerns.

## Digital Divide

English-only applications are inaccessible for many elders, creating a significant barrier to digital inclusion.

## Monitoring Gaps

Families struggle to track daily routines and well-being, leading to missed insights into their loved ones' health.

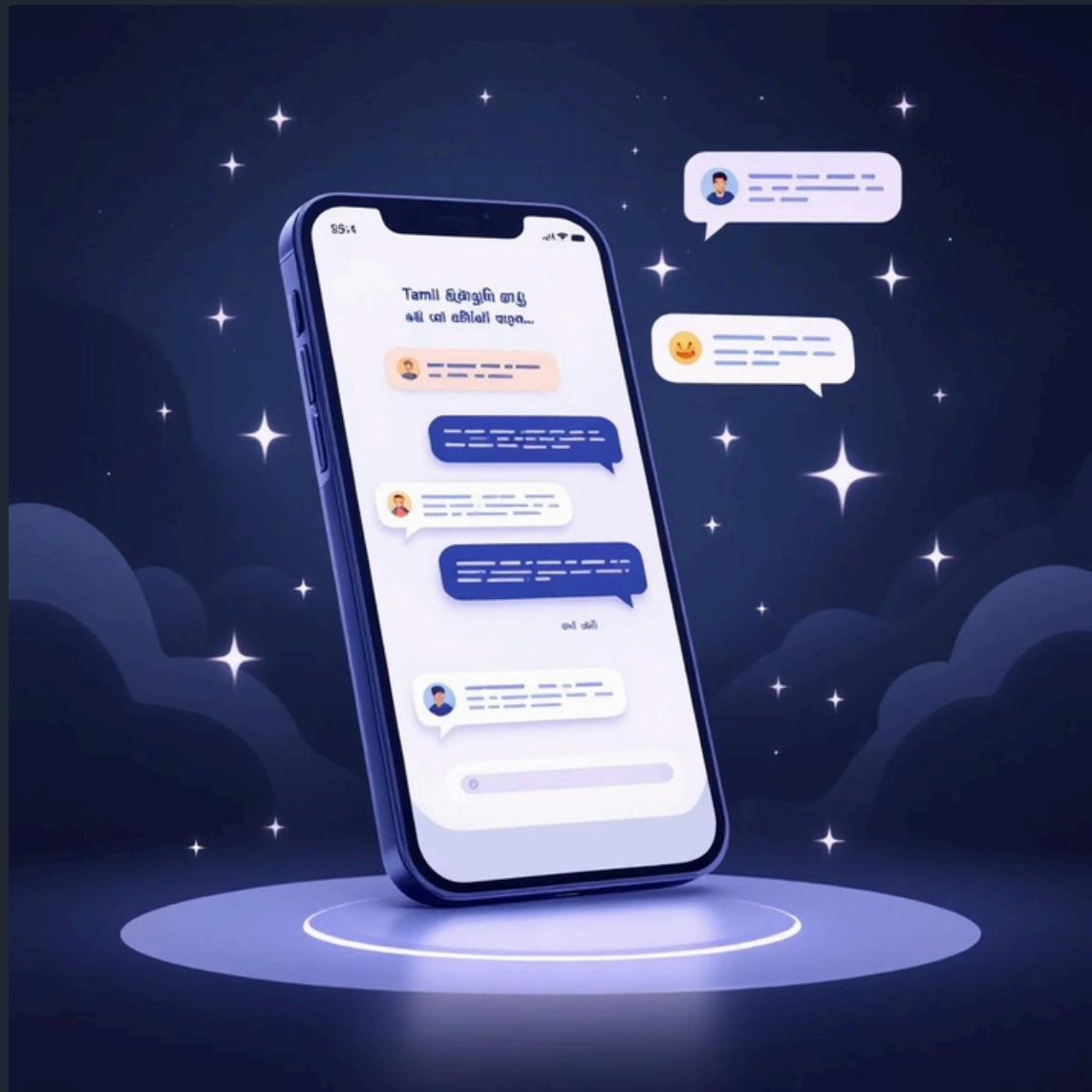
## Medication Adherence

Missed medicines pose serious health risks, often due to forgetfulness or lack of consistent reminders.

## Lack of Support

There is no simple, integrated tool for both emotional support and critical safety checks.

# SilverCare AI 3 A Compassionate AI Companion



## Our Innovative Approach

- Multilingual chatbots supporting **Tamil and English**.
- Accessible via **WhatsApp/SMS**, eliminating the need for complex apps.
- Automated daily check-ins for health and safety monitoring.
- Intuitive medicine reminders easily understood by seniors.
- Instant emergency alerts to family members.
- Provides friendly and empathetic emotional support.

### Example Interaction:

**Senior:** "I feel dizzy."

**AI:** "Please sit down and drink water. I'll notify your family."

**Family Alert:** "Your mother reported dizziness at 9:15 AM. Please check in."

# Key Features: Nurturing Well-being



## Daily Care Check-ins

Automated prompts for sleep patterns, water intake, and medication adherence.



## Enhanced Safety Monitoring

Checks for environmental safety, such as door closures and gas stove status.



## Emotional Well-being

Engaging content like stories, calming music, and guided breathing exercises.



## Voice Input Accessibility

Seniors can easily communicate using voice commands for convenience.



## Multilingual Support

Seamless interaction in both Tamil and English to cater to diverse users.



## One-Tap Simplicity

Designed for ease of use, enabling seniors to respond with a single tap.

# Main Demo: WhatsApp/SMS Daily Check-in (MVP Prototype)

Our Minimum Viable Product (MVP) demonstrates a straightforward and intuitive daily check-in flow designed specifically for seniors.



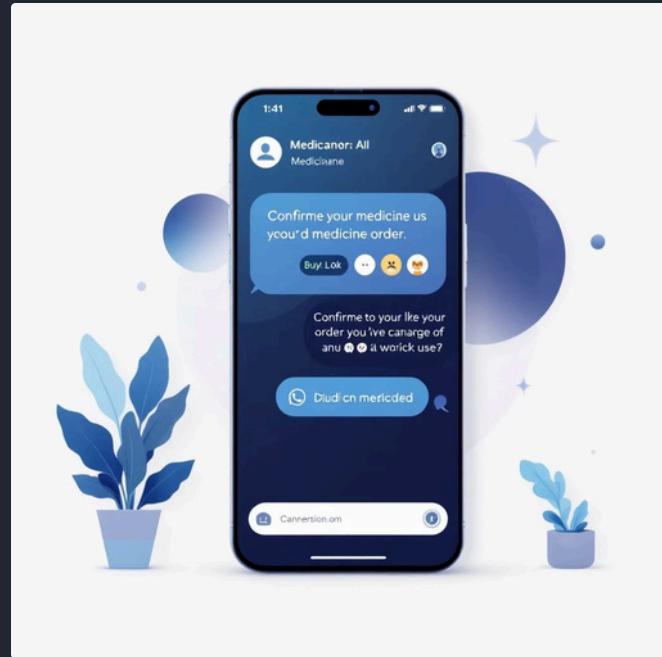
Elder Selection



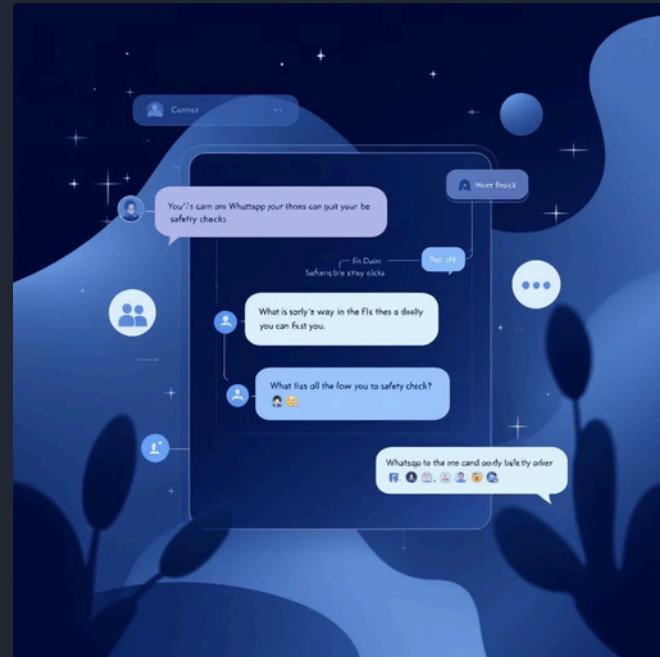
Sleep Check



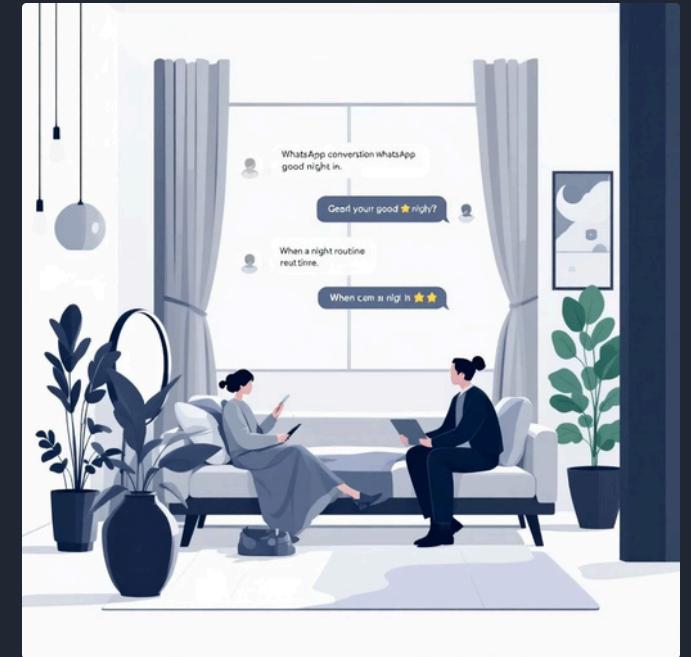
Water Intake



Medicine Confirmation



Safety Checks



Good-Night Routine

Link to Demo: <https://grub-aloha-72023716.figma.site>

**Why the MVP Works:** Its simplicity ensures seniors can respond effectively with just one tap, making interaction effortless and encouraging consistent engagement.

# SilverCare AI in Action: Demo Video

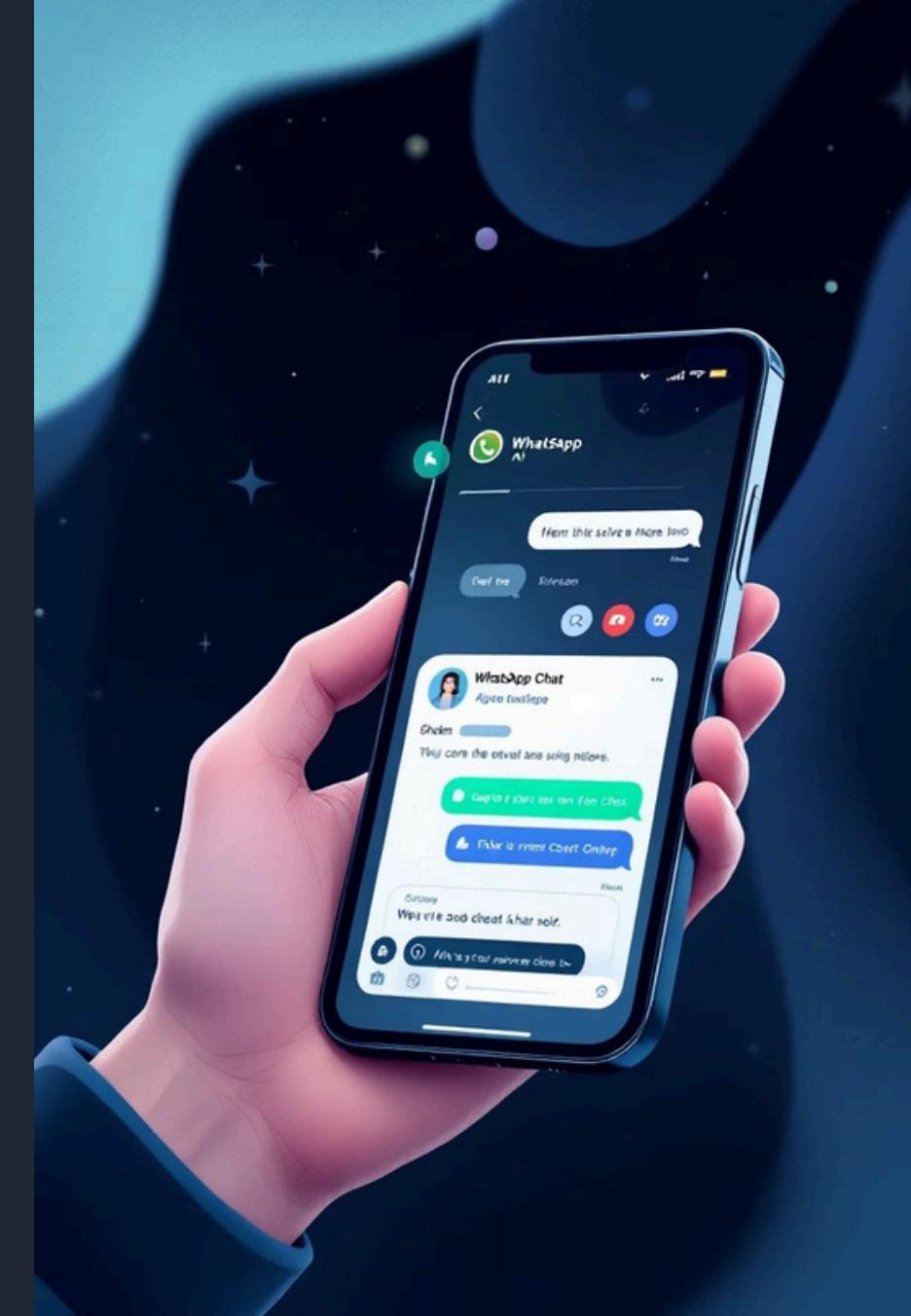
Witness SilverCare AI's seamless user experience and intuitive interface in our demonstration video.

The video highlights how effortlessly seniors can interact with the system through WhatsApp/SMS, performing daily check-ins and receiving crucial reminders.

It showcases the compassionate and responsive nature of the AI companion, ensuring peace of mind for both seniors and their families.

**Watch the Demo:**

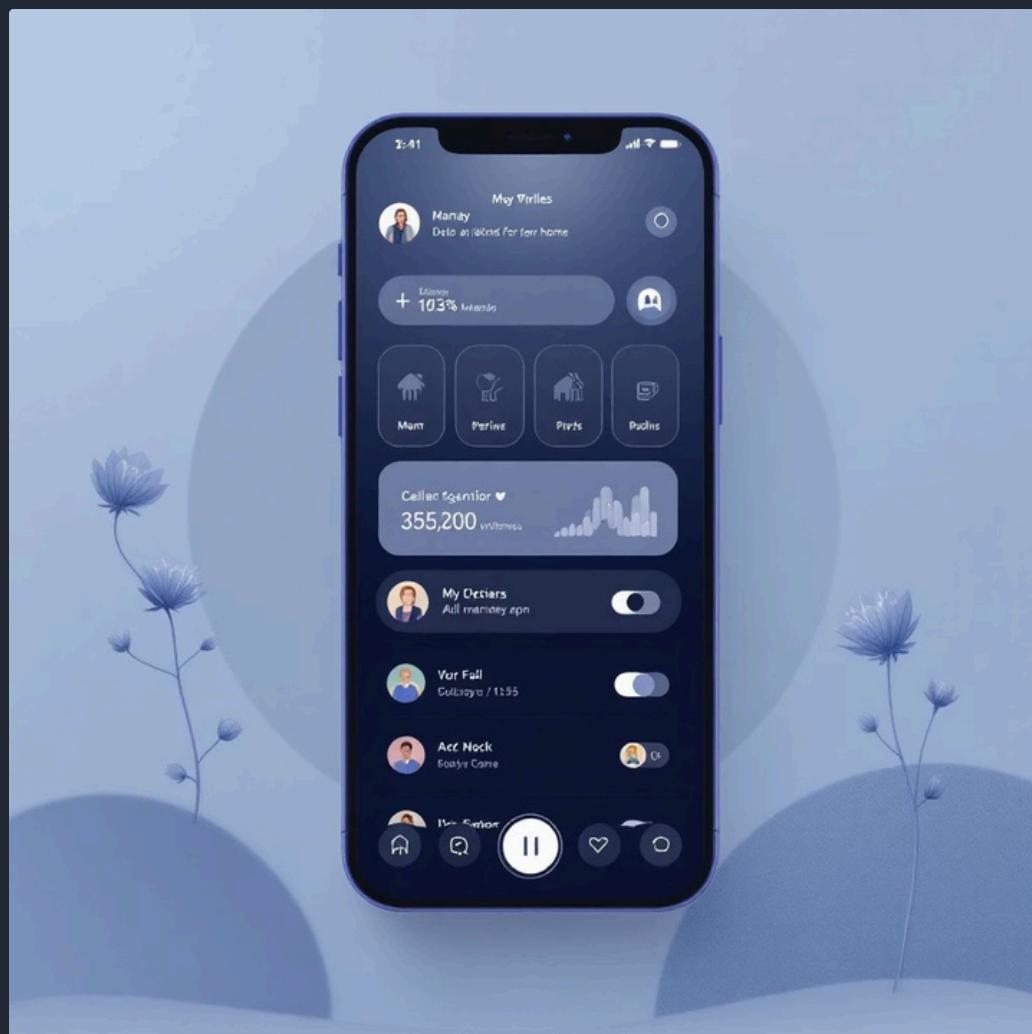
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# Wellness App: Future Expansion Prototype

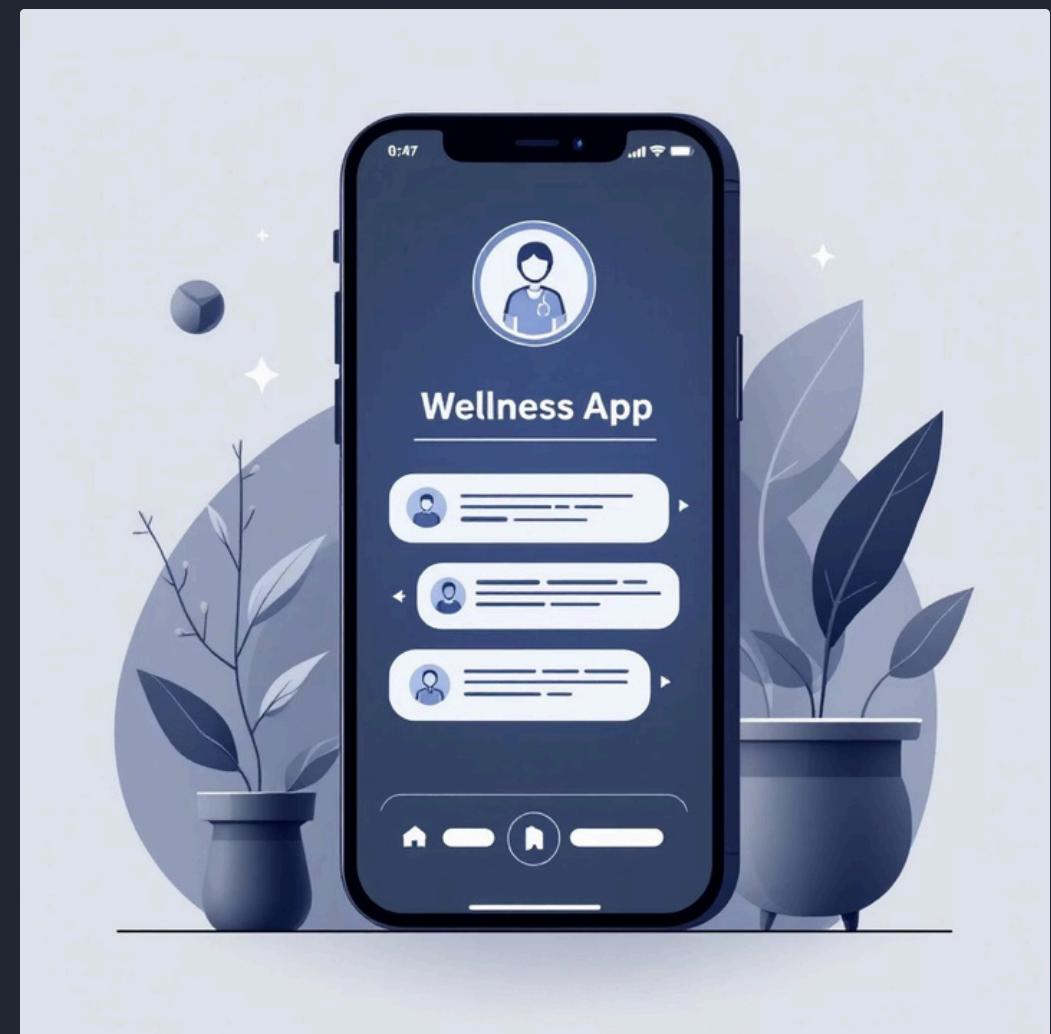
Beyond the current MVP, our vision extends to a comprehensive wellness application, offering advanced features and a richer user experience.

This prototype illustrates the expanded capabilities we aim to integrate, providing a holistic approach to elderly care.



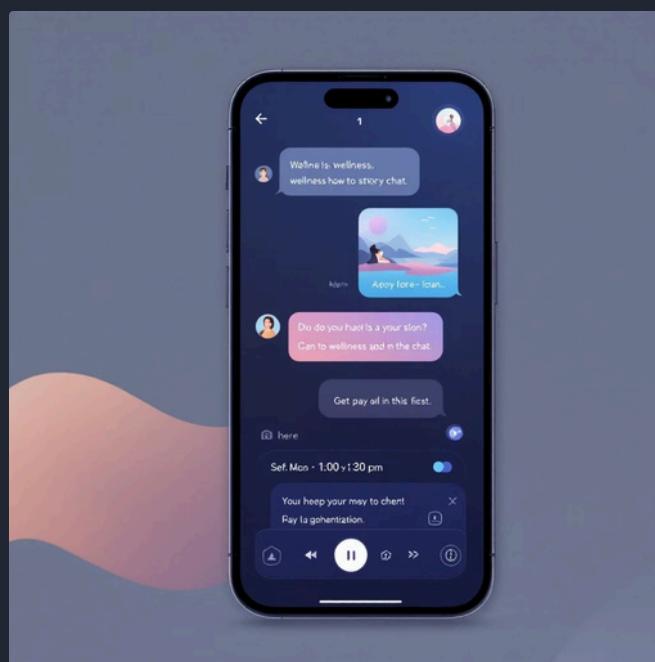
## Home Screen

Central hub for all wellness features.



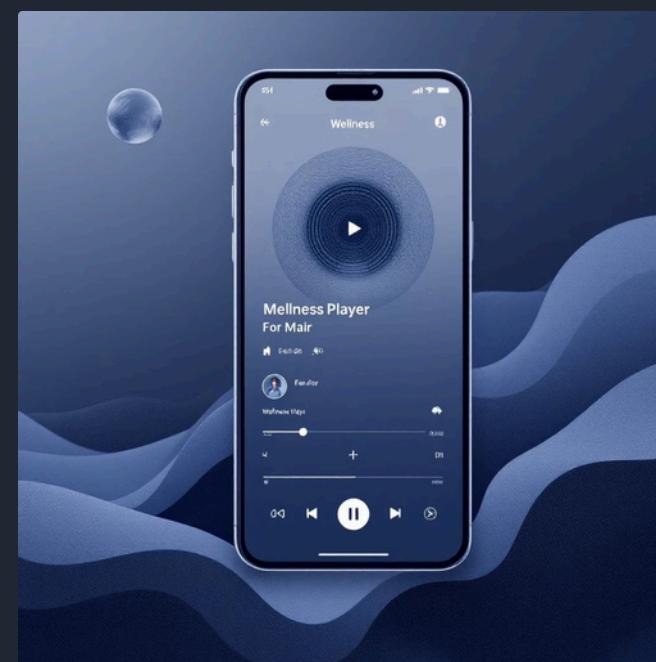
## Medicine Chat

Interactive reminders and medication tracking.



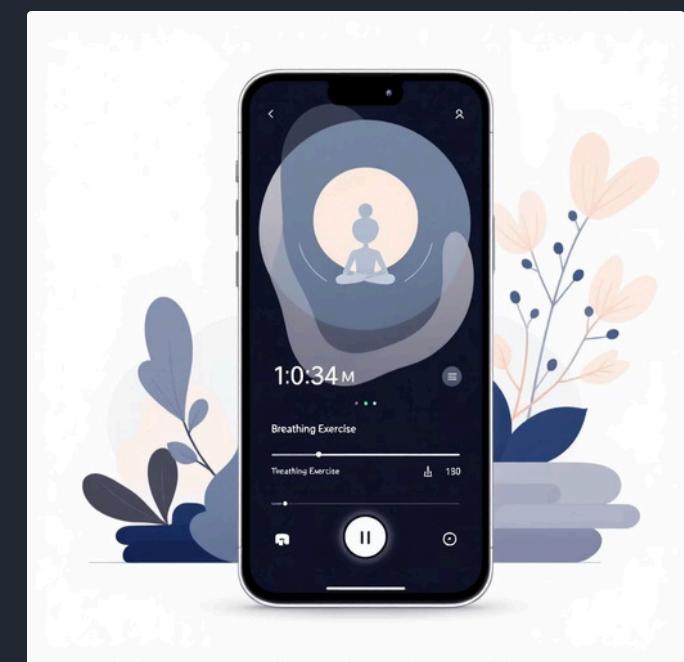
## Story Chat

Engaging narratives for cognitive stimulation.



## Music

Curated playlists for relaxation and mood enhancement.



## Breathing Exercise

Guided sessions for stress reduction and mindfulness.



# Technology Stack: Powering Compassionate Care



## GPT-5 Integration

Powers sophisticated conversations and delivers empathetic emotional support.



## Whisper ASR

Enables accurate voice-to-text conversion, ensuring accessibility for seniors.



## Twilio / WhatsApp API

Facilitates reliable messaging services and timely reminders directly to users.



## AWS/Azure Cloud

Provides secure and scalable cloud hosting for robust application performance.

## Commitment to Privacy

We uphold stringent privacy standards: no long-term storage of conversations and all data is rigorously encrypted, safeguarding sensitive information.

# Roadmap & Future Vision: Scaling Impact

## Phase 1: Foundation (033 months)

- WhatsApp/SMS MVP Launch
- Daily Health Check-ins
- Intelligent Medicine Reminders
- Family Emergency Alerts

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## Phase 2: Expansion (336 months)

- Introduction of a dedicated Voice-Only Mode
- Integration of additional Indian Languages
- Advanced Mood & Emotion Tracking features

## Phase 3: Integration (6312 months)

- Development of IoT Wearables Connectivity
- Implementation of Pill Detection Camera technology
- Seamless Telemedicine Integration for remote consultations

### Our Ambitious Goal:

To significantly improve seniors safety and reduce instances of missed medications by **40%** within the next 12 months.



# Thank You for Your Attention

We are Debug Dragons, committed to enhancing elderly care with innovative AI solutions.

**"Empowering Seniors with AI, One Conversation at a Time."**

We welcome your questions and interest in SilverCare AI.