SilverCare AI: Elevating Elderly Care with AI Companionship

Revolutionizing senior livingby 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 livealone, 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.
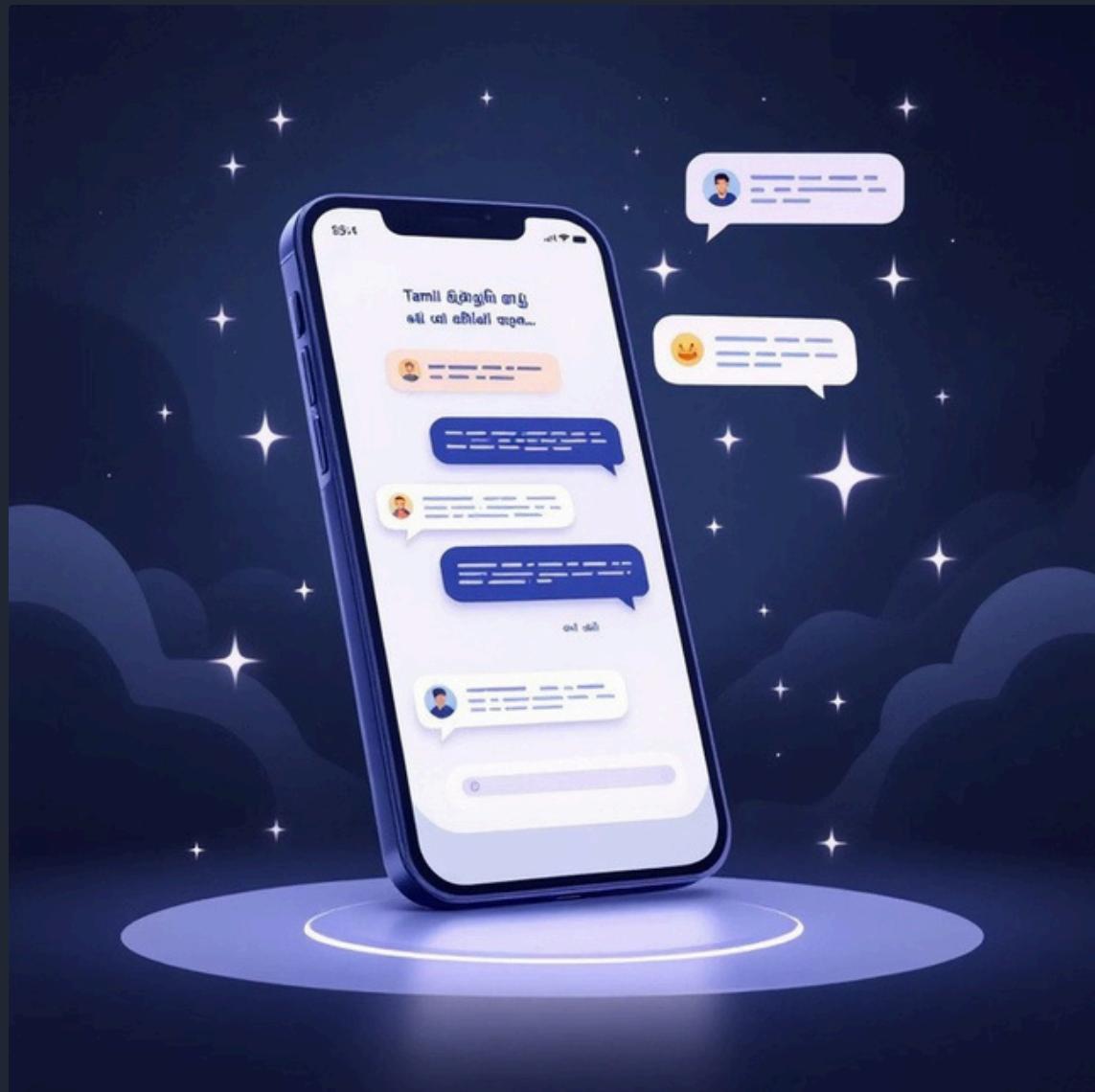
Medication Adherence
Missed medicines pose serious health risks, often due to forgetfulness or lack of consistent reminders.

Lack of Support
There is nosimple,integrated tool for both emotional support and critical safety checks.

SilverCare AI 3 A Compassionate AI Companion

Our Innovative Approach

- Multilingual chatbots upporting **Tamiland 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. I9m notifying 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
Seniorsc an easily communicate using voice commands for convenience.

Multilingual Support
Seamless interaction in bothTamil and English to cater to diverse users.
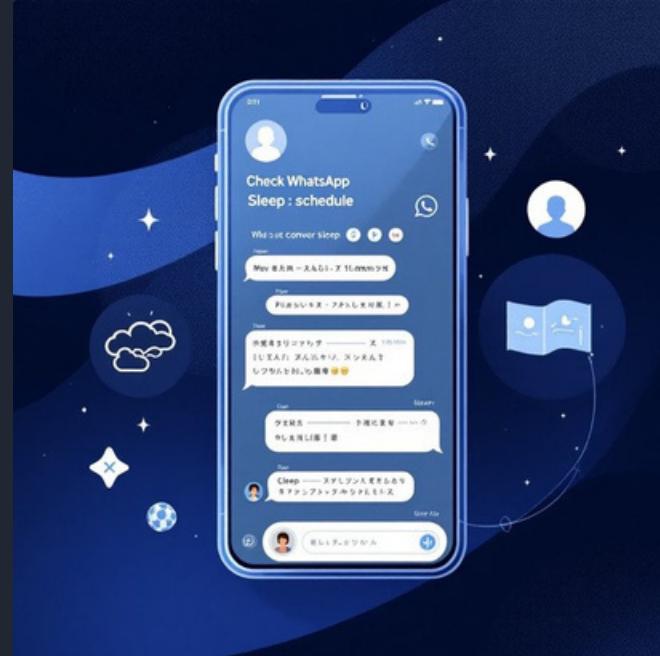
One-Tap Simplicity
Designed forease of use,enabling seniors to respond with a single tap.

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.
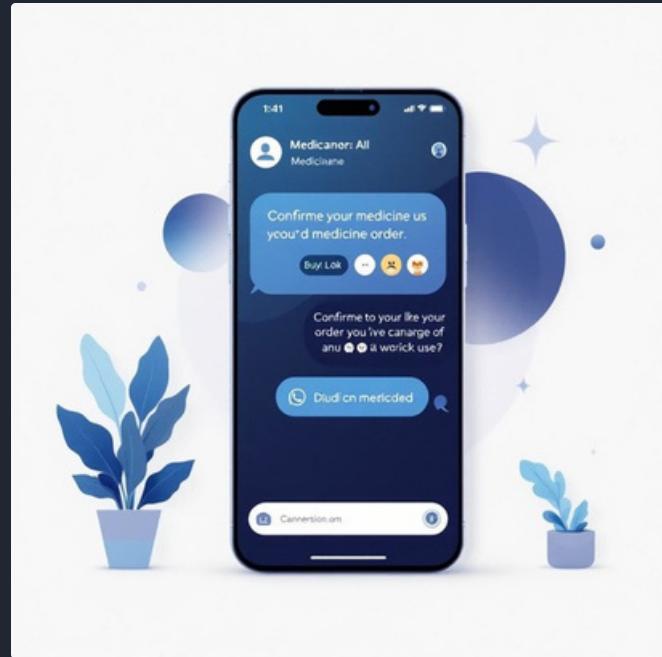

Elder Selection
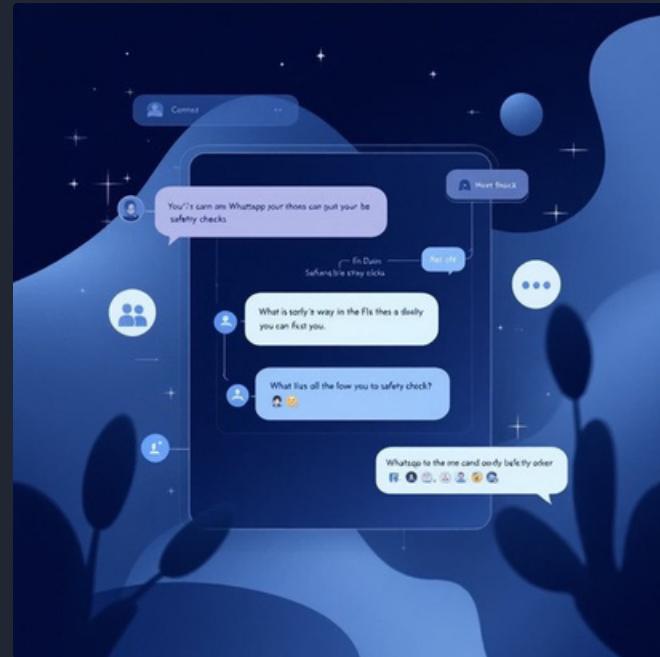
Sleep Check
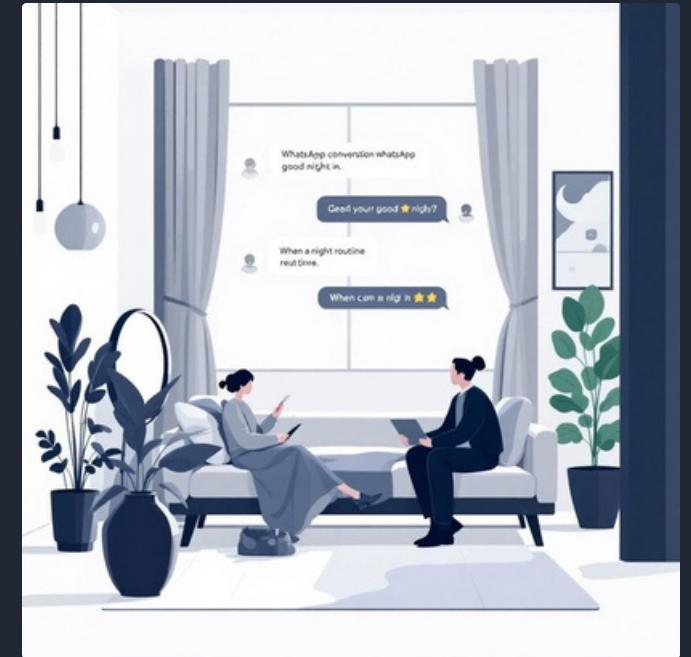
Water Intake

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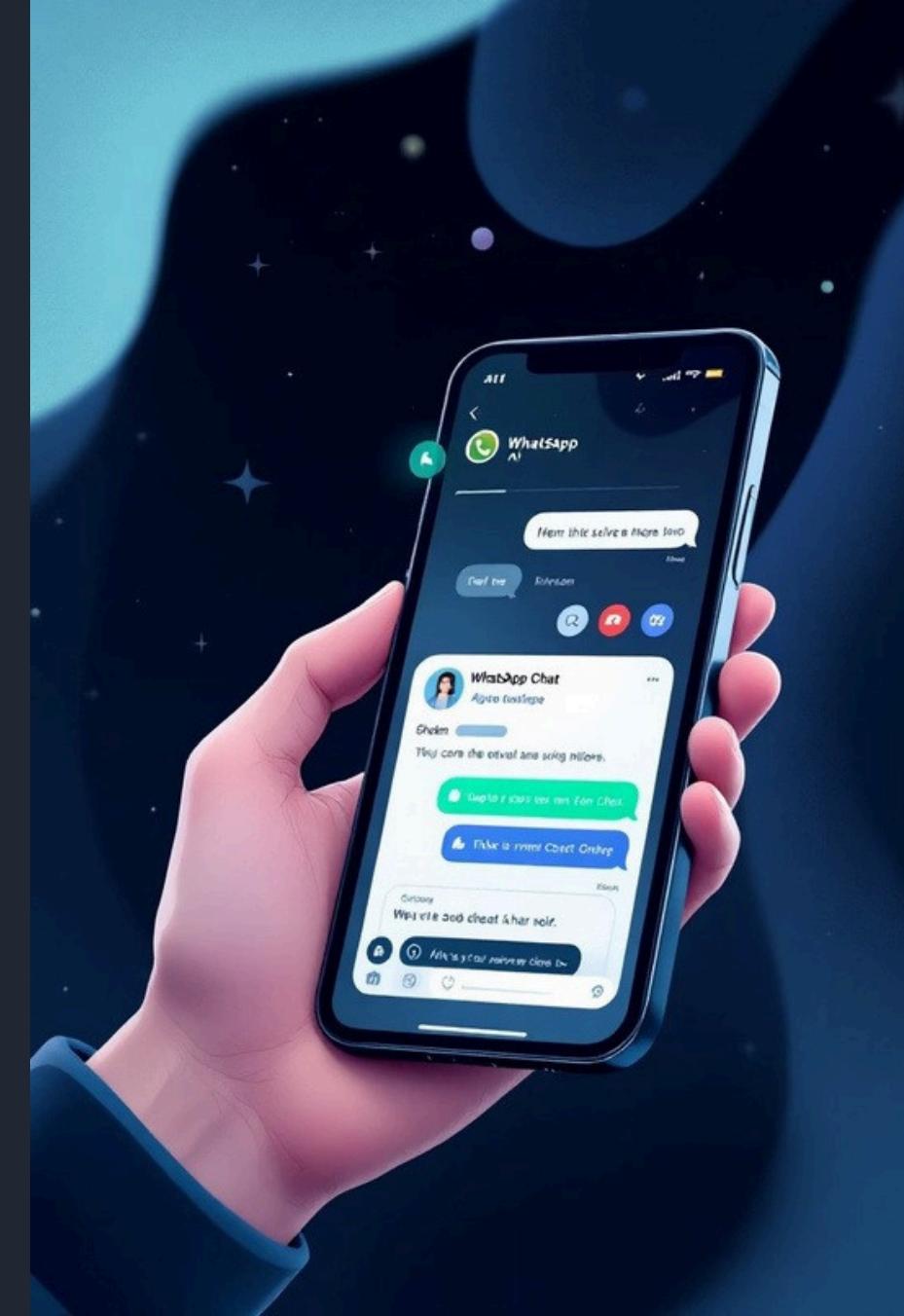
It showcases the compassionate and responsive nature of the AI companion, ensuring peace of mind for both seniors and their families.

Watch the Demo:

https://res.cloudinary.com/dpa35qcdy/video/upload/v1757824756/Untitled_design_1_cobysn.mp4
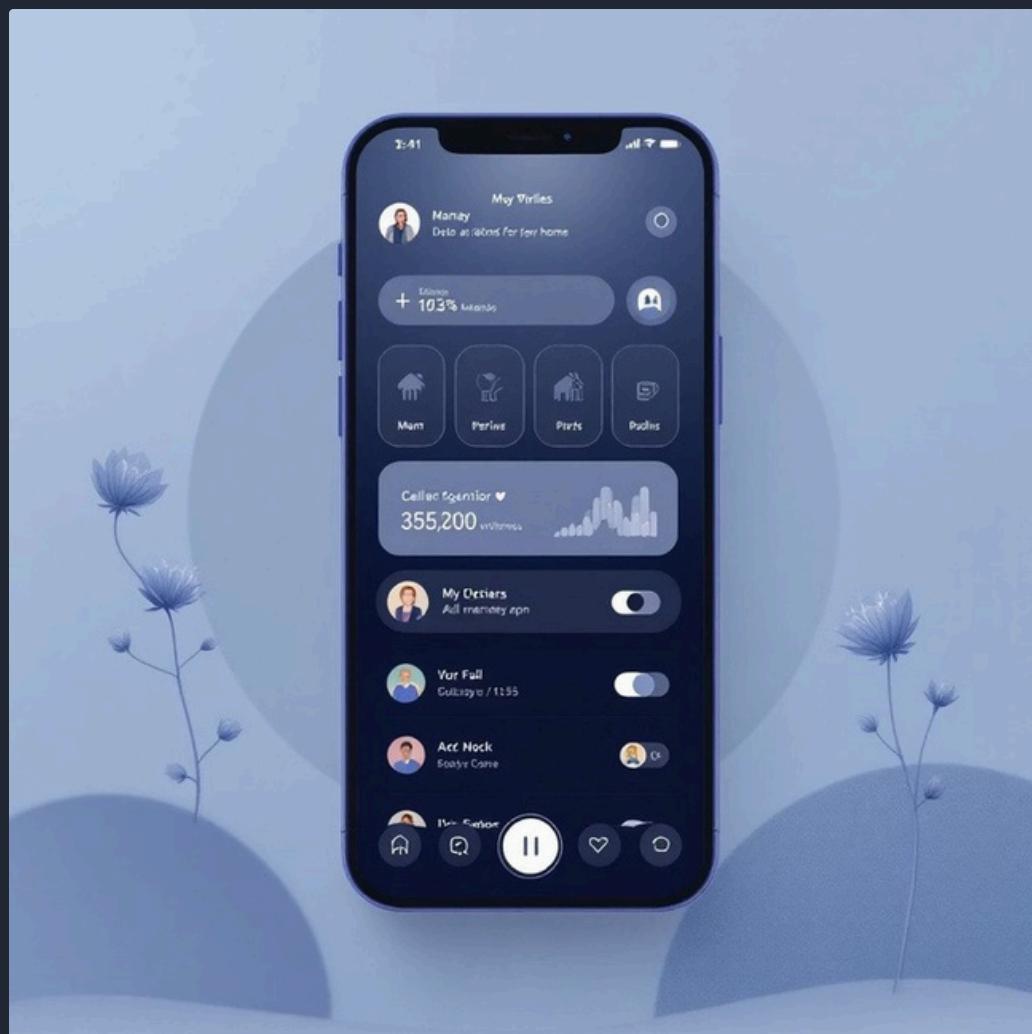
Wellness App: Future Expansion Prototype

Beyond the current MVP,our vision extends to acomprehensive 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.
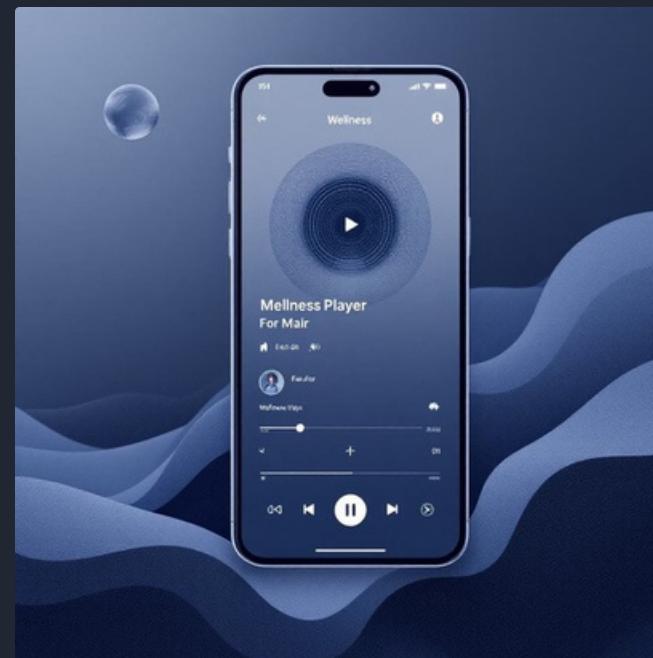
Medicine Chat

Interactive reminders and medication tracking.
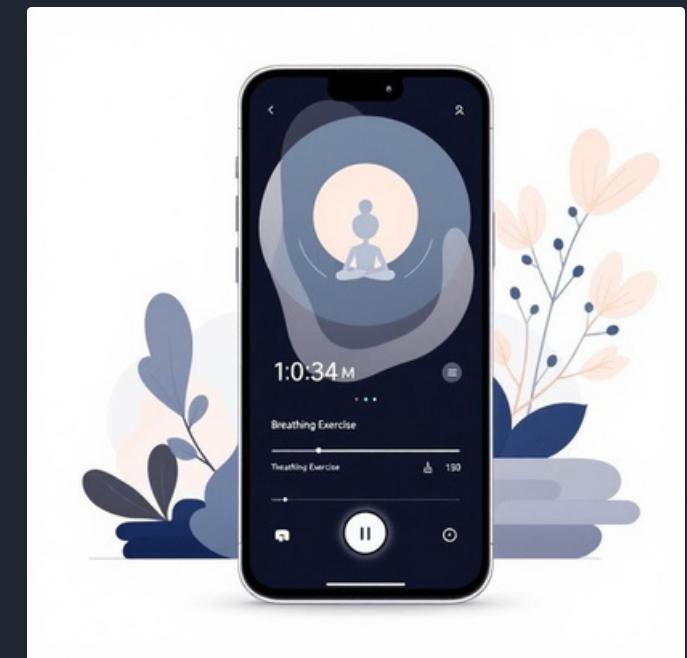

Story Chat

Engaging narratives for cognitive stimulation.

Music

Curated playlists for relaxation and mood enhancement.

Breathing Exercise

Guided sessions for stress reduction and mindfulness.

Explore the App Vision: https://poodle-screen-31075832.figma.site

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) — **1**

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

2 — ## Phase 2: Expansion (336 months)

- Introduction of adedicated Voice-OnlyMode
- Integration of additional Indian Languages
- Advanced Mood & Emotion Tracking features

Phase 3: Integration (6312 months) — **3**

- Developmentof IoT WearablesConnectivity
- Implementation of Pill Detection Camera technology
- Seamless Telemedicine Integration for remote consultations

Our Ambitious Goal:

To significantlyimproveseniorsafety 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 elderlycare with innovative

AI solutions.

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

We welcome your questions and interest in SilverCare AI.