

# SoulCareAI – Technical Sheet

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## I. Core System Overview

**Platform Name:** SoulCareAI

**Main Components:**

- **Chat System**
    - Text-to-text agent (multilingual, 35 languages)
    - Speech-to-speech agent (13 spoken languages)
    - Image recognition input
  - **Mood Tracker**
  - **Goal Tracker**
  - **Moodscape Report (PDF exportable)**
  - **Self-Help Library** (curated external content)
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## II. Functional Features

### 1. Chat System

- **Text Agent:**  
Powered by **Google Gemini 2.5 Flash**, supports 35 languages.  
Logs emotional cues and goal-setting into respective modules.
- **Speech Agent:**  
Uses **OpenAI Whisper** for speech recognition.  
Supports 13 spoken languages.  
Speech output uses ElevenLabs voices
- **Image Recognition:**  
Uses **Google Vision API**.

Enables users to upload and analyze images for contextual support.

- **Conversation Storage:**

All text and audio interactions are **encrypted at rest and in transit**.

Encrypted using Flow-compliant standards.

Database supports structured recall and user history view.

## **2. Mood Tracker**

- Auto-logs detected emotions from chat.
- Users can also manually record moods.
- Tracked over time and visualized in Moodscope.

## **3. Goal Tracker**

- Detects user-declared goals during conversation.
- Goals can also be manually entered.
- Tracked and visualized over time.

## **4. Moodscope Report**

- Aggregates all mood and goal data.
- Provides personalized feedback and trends.
- Exportable in PDF format.

## **5. Self-Help Library**

- Curated database of pre-vetted external links.  
Includes articles, videos, and books.
- Accessible through platform UI (link-based content only).

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## **III. Subsystem: SoulCall**

**Description:**

AI-powered call check-ins for mental hygiene.

**User Flow:**

1. User enters name, phone number, preferred time.
2. Selects subscription via **Stripe**:
  - €4 per individual call
  - €45/month for alternate-day calls
  - €75/month for daily calls
3. System uses VAPI + ElevenLabs + OpenAI 4o to make outbound calls.
4. Calls initiated from **Twilio-purchased phone numbers**.
5. Call duration: 5 minutes.
6. Cancel/reschedule option available via user dashboard.

**Call Logic:**

Calls deliver support based on:

- Daily emotional state
- Guided reflection methods
- AI-driven feedback for preventive mental hygiene

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**IV. Tech Stack Summary**

Component	Technology / Provider
LLM/Text Generation	Google Gemini 2.5 Flash
Speech Recognition	OpenAI Whisper
Speech Synthesis	ElevenLabs via VAPI

Image Recognition	Google Vision API
Call Infrastructure	VAPI + Twilio
Frontend	JavaScript (mostly)
Backend/DB	Flow-compliant encrypted DB
Payments	Stripe
Encryption	At rest and in transit

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## V. Security & Compliance

- **Data Encryption:** End-to-end, at rest and transit.
  - **User Privacy:** No third-party data sharing. Conversations stored securely.
  - **SoulCalls:** HIPAA compliant. All conversations are deleted after the call.
  - **PDF Reports:** Only downloadable by authenticated users.
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### UPCOMING:

Mental Health Assessments - (GAD-7 , PHQ-9) - Available as Questionnaire for free or inside Soulcall.

Google-Fit - Track your Physical and Sleep Health for enhanced recovery and psychosomatic pain