

# SoulCareAI – Technical Sheet

---

## 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)

---

## 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 Moodscape.

## 3. Goal Tracker

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

## 4. Moodscape 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).

---

## 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

---

## 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      |

---

## 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.

---

### 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