CareyMary

Your little companion. On your desktop. Looking out for you.

Team BotakPower | Agora Voice AI Hackathon '26



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The Problem

People with ADHD struggle to self-regulate at a computer. They need more than another productivity app — they need a caring presence.

Lost Hours

Hours disappear into distraction apps without realising it. The time just... vanishes.

Forgotten Needs

Basic self-care gets ignored — drinking water, taking breaks, moving your body.

App Resistance

Productivity tools require active engagement. ADHD brains naturally resist that friction.

What They Need

A gentle, noticing presence that nudges without judgment or interruption.

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The Solution

CareyMary is your little companion that lives in the corner of your screen, watching out for you.

01

She watches what you're doing

Screen monitoring tracks your active window and session patterns

02

She talks to you naturally

Short, warm, real-time voice messages — like a caring friend

03

You can talk back

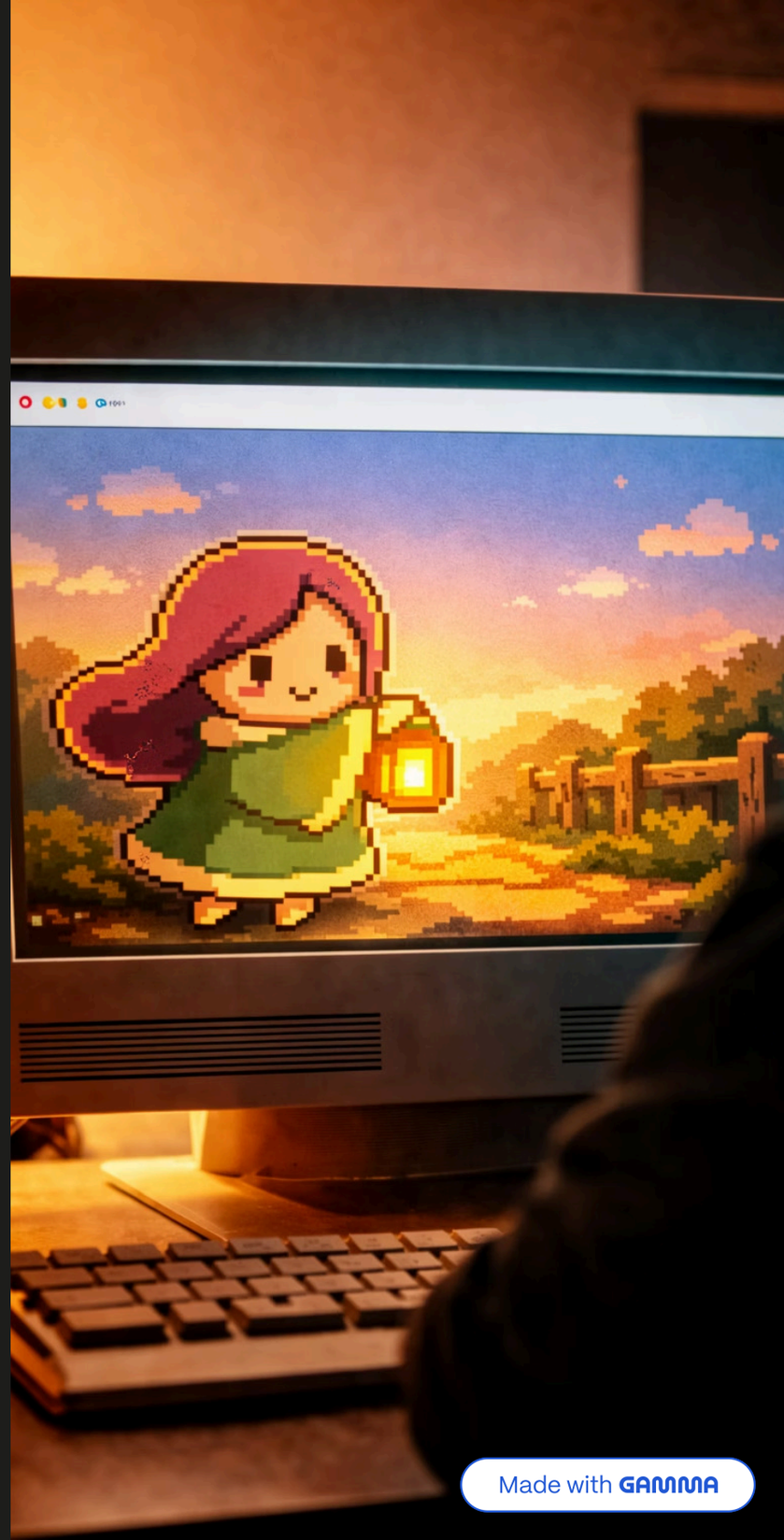
Voice-first interaction means no typing required

04

She gently reminds

Hydration, breaks, posture — noticed and nudged, never interrupted

> **"She's not an app you open. She's just there."**



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How It Works

A seamless technical stack powered entirely by Agora's conversational AI platform.



Electron Overlay

Transparent desktop shell always on screen (macOS + Windows)



Screen Monitor

Polls active window every 5 seconds, classifies as productive/distraction/neutral/break



Context Engine

Rebuilds personality prompt every 30 seconds with live data: current app, duration, hydration, stats



Voice Loop

Agora RTC channel connects user voice → Deepgram ASR → GPT-4o mini LLM → MiniMax TTS



Character Reacts

Sprite animation shows idle, talking, alert, happy, or sleeping states

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Real Interactions

Three moments that show CareyMary's caring, attentive personality.

Distraction Check

"You've been on YouTube for 22 minutes. Want to get back to that report?"

Hydration Reminder

"It's been 2 hours — you haven't had any water. I'll wait."

Focus Celebration

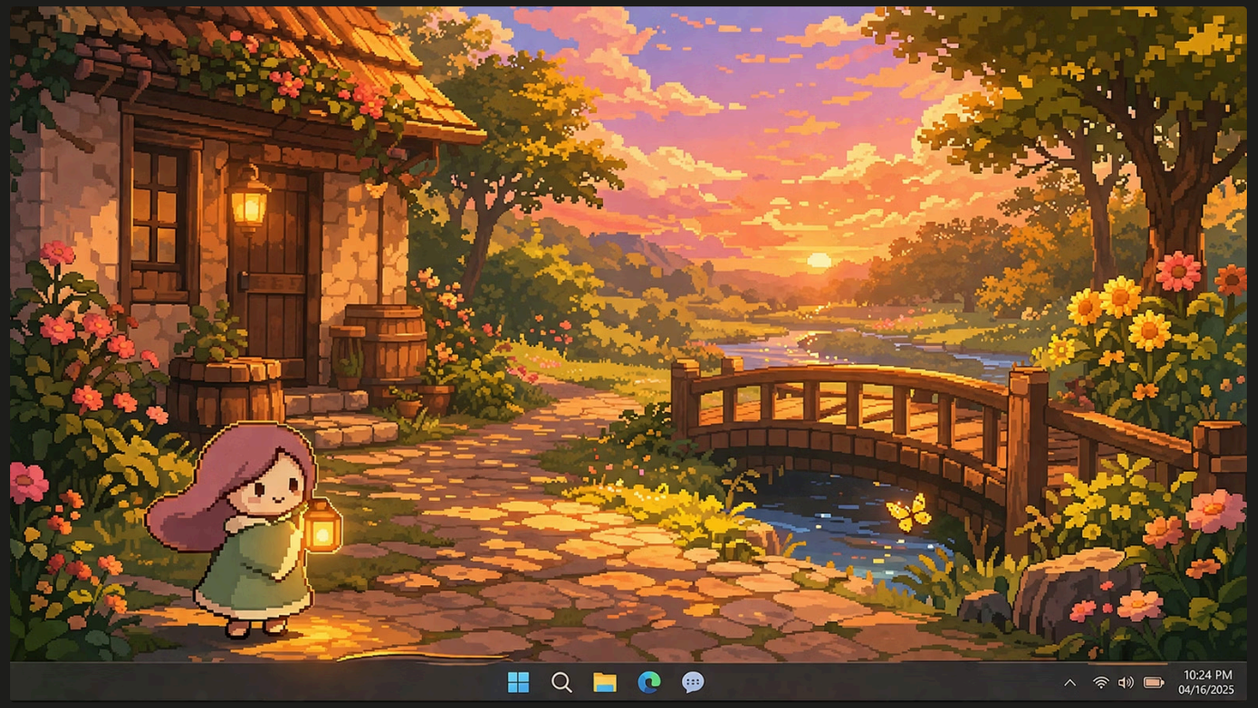
"Good job, you've been focused for 45 minutes! Take a little stretch break."



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Tech Stack

Built entirely on Agora's platform with modern, performant tools.



Core Platform

- Electron 33 — transparent cross-platform overlay
- Agora Conversational AI Engine — real-time voice agent via REST API
- Agora RTC Web SDK v4.23 — bidirectional voice channel

AI Models

- Deepgram Nova 3 (ASR)
- GPT-4o mini (LLM)
- MiniMax Speech Turbo (TTS)

Language & Framework

- TypeScript — strict typing, no frameworks
- Built to ship fast in hackathon conditions

100% powered by Agora — built exactly for this hackathon

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The Team

Four developers, six hours, parallel lanes of development.



Edmund

Tech Lead — Agora voice integration, context engine, system wiring



ZhiHao

Screen monitoring, health timers, live context pipeline



SimYee

Electron shell, system tray, window management



Cody

Pixel-art character, sprite animation, overlay UI

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What Makes It Special

Ambient Presence

Not a chatbot you open — always present, zero friction, no opening required

Screen-Aware

She knows what you're doing, not just what you tell her — context-aware nudges

Voice-First

Perfect for ADHD brains that resist typing and task-switching

Warm Personality

Like a caring parent — non-judgmental, supportive, never shaming

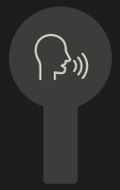
Hackathon Built

Entirely on Agora's stack in one hackathon day

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What's Next

If we had more time, here's where we'd take CareyMary.



Wake Word

"Hey CareyMary" — always-listening mode for instant activation



Emotion Detection

Voice tone analysis to adapt personality and response style



Weekly Summaries

Mood + productivity insights delivered every Sunday morning



App Store

macOS + Windows distribution for wider reach



Personalisation

Custom persona names and voices beyond CareyMary

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She's already in the corner of the screen.

She's just waiting to meet you.

CareyMary

Built at Agora Voice AI Hackathon Singapore 2026

Edmund • ZhiHao • SimYee • Cody

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