



# **EVA - EMOTIONAL VIRTUAL ASSISTANT**

The Next Evolution in Personal Computing



## **TEAM**

Muhammed Roshan P

Tushar

Athvaith

WE ARE LIVING IN A WORLD  
SURROUND BY COUNTLESS TOOLS,  
GADGETS AND APPLICATION – YET  
THEY STILL FAIL TO UNDERSTAND US.





# WHAT IS MISSING?

## Lack of Emotional Connection

Current digital assistants fail to recognize emotional states or build trust over time, limiting meaningful interactions.

## Fragmented User Experience

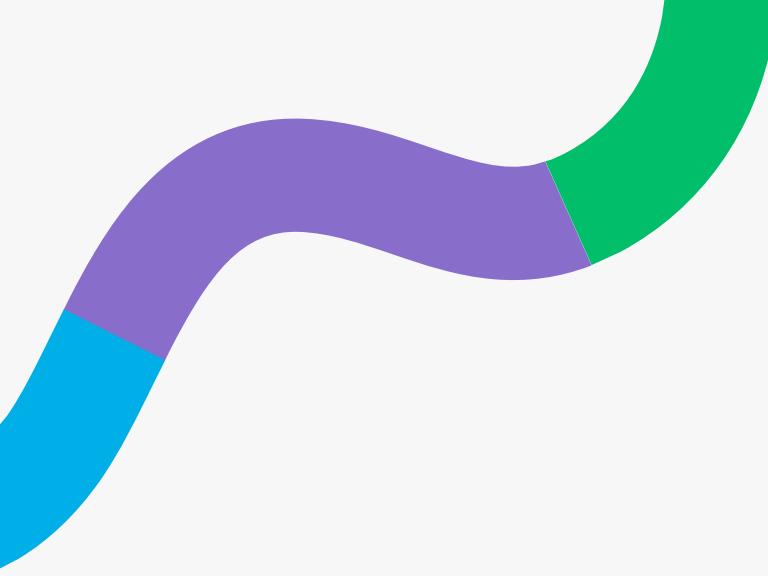
Users face frustration due to disconnected reminders, schedules, and wellness insights across different tools.

## Cognitive Load and Burnout

High cognitive load and decision fatigue arise from managing numerous notifications and choices daily.

## Need for Relationship-Centered AI

There is a gap for AI systems that learn and adapt to users' lives, emotions, and evolving needs.



EVA - The companion that understands, remembers, and acts for you.

## Voice-First AI Interface

EVA uses a real-time voice interface enabling natural adaptive, and free-flowing conversations tailored to the user's emotions.

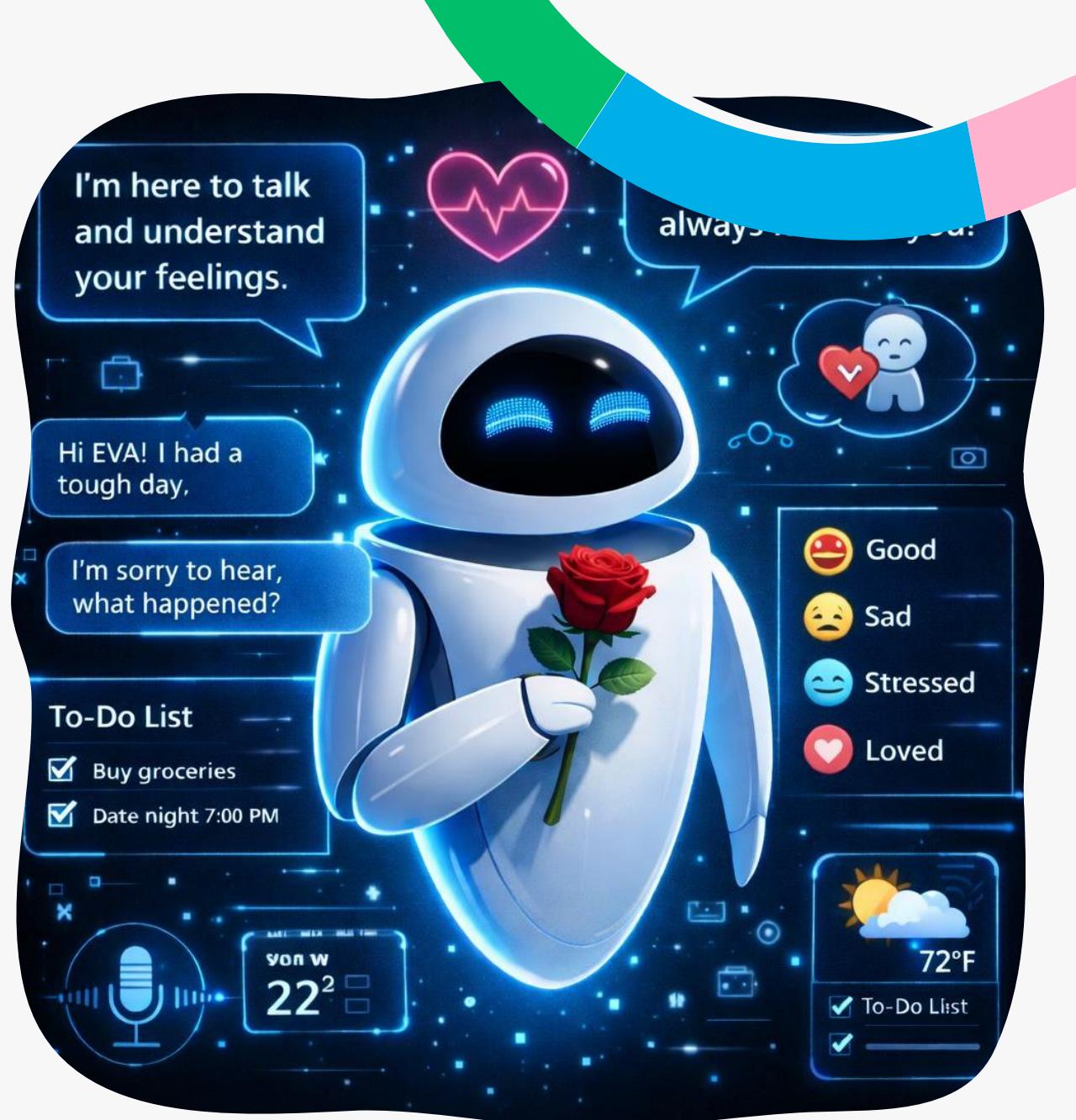
## Personal Memory Engine

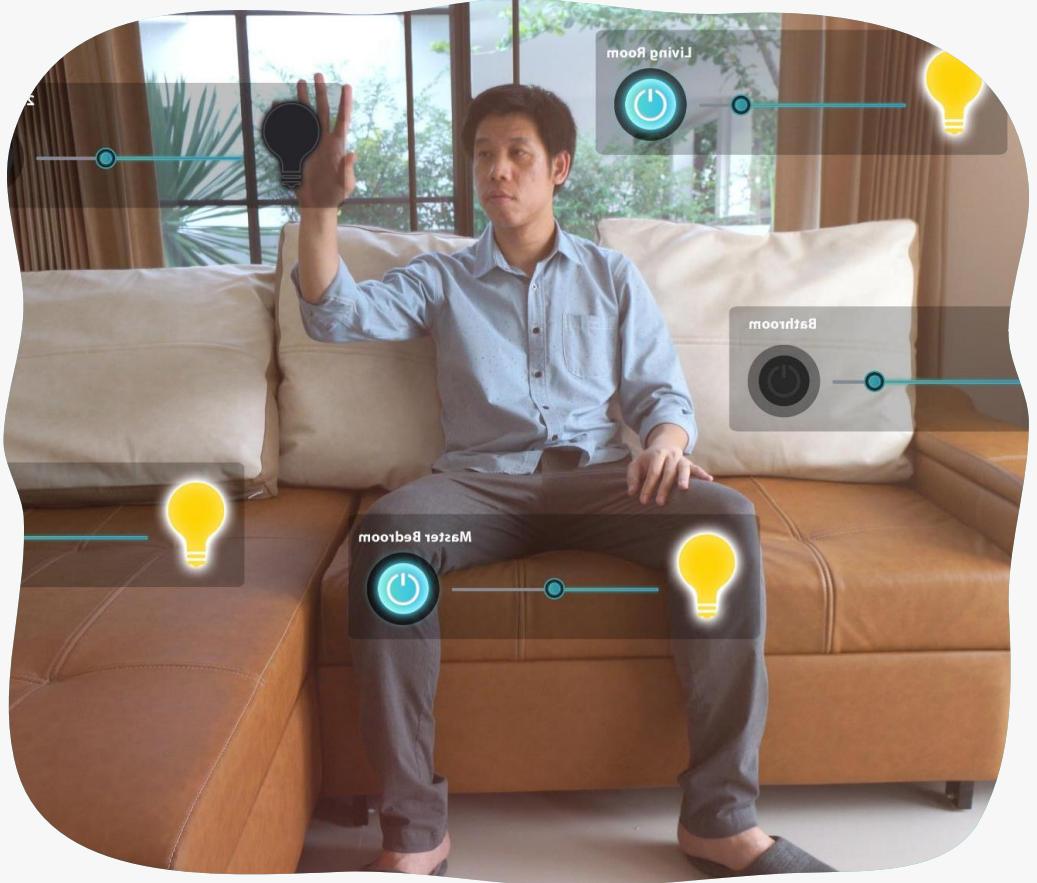
A lifelong memory engine that preserves meaningful contexts and personal patterns—remembering peoples, promises, events, notes and goals—while staying fully transparent and completely user editable.

## Proactive Intelligence Loop

The assistant anticipates user needs by noticing routine anomalies and suggesting timely micro-actions before prompts.

E.g. Alert your GF's birthday few days prior and help you to plan a surprise. OR Check the traffic to your office and alert you OR setting alarm for you if you have flight early morning.





## Adaptive Personality

Flexibly shift roles—being friend, advisor or assistant, adapting to your emotional, work, and decision-making needs .

## Holistic Life Integration

By understanding your health conditions and daily routines, it suggests impactful lifestyle changes and encourages healthy diets, ensuring you remain at your physical and mental best.

## Personalized voice search Engine

Ask anything to Eva; it will give you customized answers tailored for your knowledge depth.

## Tool Integration

Eva facilitates integration of external tools to adapt with growing requirements and needs.

# HOW IT WORKS



## Voice Pipeline Processing

Processes real-time speech input with emotional tone detection and generates natural conversational output.

## Personal Memory Engine

Stores key details in a secure, user-editable repository to build a dynamic life model over time.

## Proactive Intelligence Loop

Analyzes routines and environmental data to generate actionable insights and micro-actions.

## Cross-Domain Integration

Combines work, health, and lifestyle data for deeper, context-aware guidance under a trust-first framework.

# IMPLEMENTATION OVERVIEW

## Multimodal AI Foundation

The system uses advanced transformer models to process voice, language, and emotional signals for intelligent interactions.

## Memory Architecture Design

Separate memory layers store declarative, episodic, and preference data, managed via a transparency dashboard.

## Proactive Reasoning Engine

Temporal models detect patterns and trigger personalized micro-actions based on behavior and outcomes.

## Secure Backend Integration

Data is synchronized securely via permission-based APIs connecting calendars, health data, and sensors.

## Ethical Safeguards and Learning

Privacy, compliance, and continuous learning ensure a secure, adaptive, and personal AI companion.