

AI Personas In Video Conferences

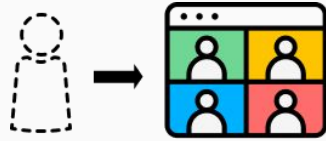
Your AI Persona can attend the meeting on your behalf!



hello@soopra.ai

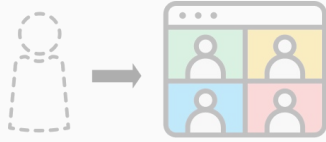
Confidential

Project Overview

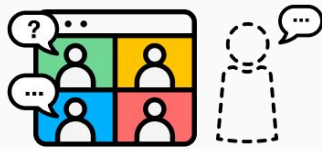


Allow your AI Persona to join a video conference, acting as your AI Agent

Project Overview - AI Persona Joins a Meeting and Has a Real-Time Conversation

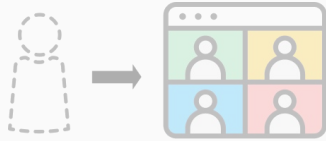


Allow your AI Persona to join a video conference, acting as your AI Agent



Allow your AI Persona to respond to questions, and to interject appropriately when the topic of discussion matches your topics of interest

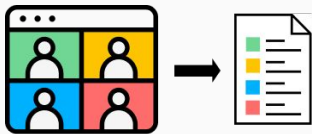
Project Overview - AI Persona Joins a Meeting and Has a Real-Time Conversation



Allow your AI Persona to join a video conference, acting as your AI Agent





Allow your AI Persona to respond to questions, and to interject appropriately when the topic of discussion matches your topics of interest




Provide you with a meeting transcript and AI summary of the meeting

What is Soopra





And why is it the best tool for this?


 **Ronjon Nag**
@ronjon


15 August 2024




Hello! I'm Ronjon Nag, a Stanford Adjunct Professor with a deep passion for AI, linguistics, and healthcare. I've spent 40 years applying AI to solve real-world problems and exploring its potential to revolutionize various sectors. My firm R42 invests in AI and Longevity Science and is also an educational Institute. You can ask me about the latest developments in language technology, the ethical considerations in AI, or my experiences in researching longevity and developing treatments for rare diseases. Let's dive into these fascinating topics! 🤖🧠🌐

05:38 pm

I'd like to learn about neural networks! 

05:40 pm



Neural networks are a fascinating area of study! They're essentially computational models that are inspired by our understanding of the human brain's architecture. These models are designed to simulate the way in which the brain performs a particular task or makes sense of certain aspects of our world.





The concept of neural networks has been around for decades, but it's only in recent years that we've had the computational power to really explore their potential. This is largely due to the advent of 'deep learning', a subset of machine learning that utilizes neural networks with many layers - hence the term 'deep'.

Each layer in a neural network performs a specific function, and the complex interplay between these layers is what allows the model to learn from data and make predictions or decisions based on that data. This is similar to how our brain processes information, though of course, the human brain is infinitely more complex and capable!


However, it's important to note that while neural networks are powerful tools, they're not without their limitations. For instance, they require large amounts of data to function effectively, and they're often described as 'black boxes' because it can be difficult to understand exactly how they've arrived at a particular decision.


That said, the potential applications of neural networks are vast and varied, from speech recognition and language processing to medical diagnosis and stock market prediction. In fact, I delve into some of these applications in my book "Artificial Intelligence: What Everyone Needs to Know", which you might find interesting!

Before we move on, do you have any specific questions about how neural networks function, or perhaps about their real-world applications? And by the way, do you know why neural networks are like animal behavior? Because they both learn from their mistakes!

05:41 pm





AI Persona and AI agents (Soopra.ai)



Using Soopra Personality Engine™
you can ingest multiple streams of
digital data

Soopra.AI Platform



Praveena's Soopra

Soopra helps you create AI
persona with your image,
voice, stories, memories
and content...

Chat
Agent

Teaching
Agent

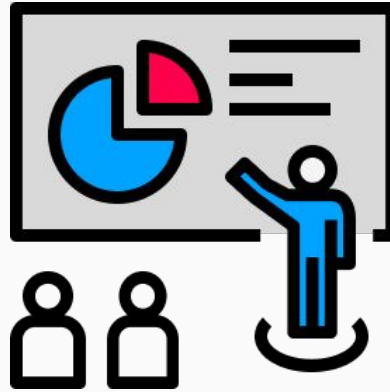
Meeting
Agent

You can use your Soopra to create
different persona that match your
real life that you own control and
can monetize

AI Persona - Use cases include education and meetings



**Having A
Conversation**


















Teaching A Course


















**Participating In
A Meeting**

Soopra - Participation, not just note taking

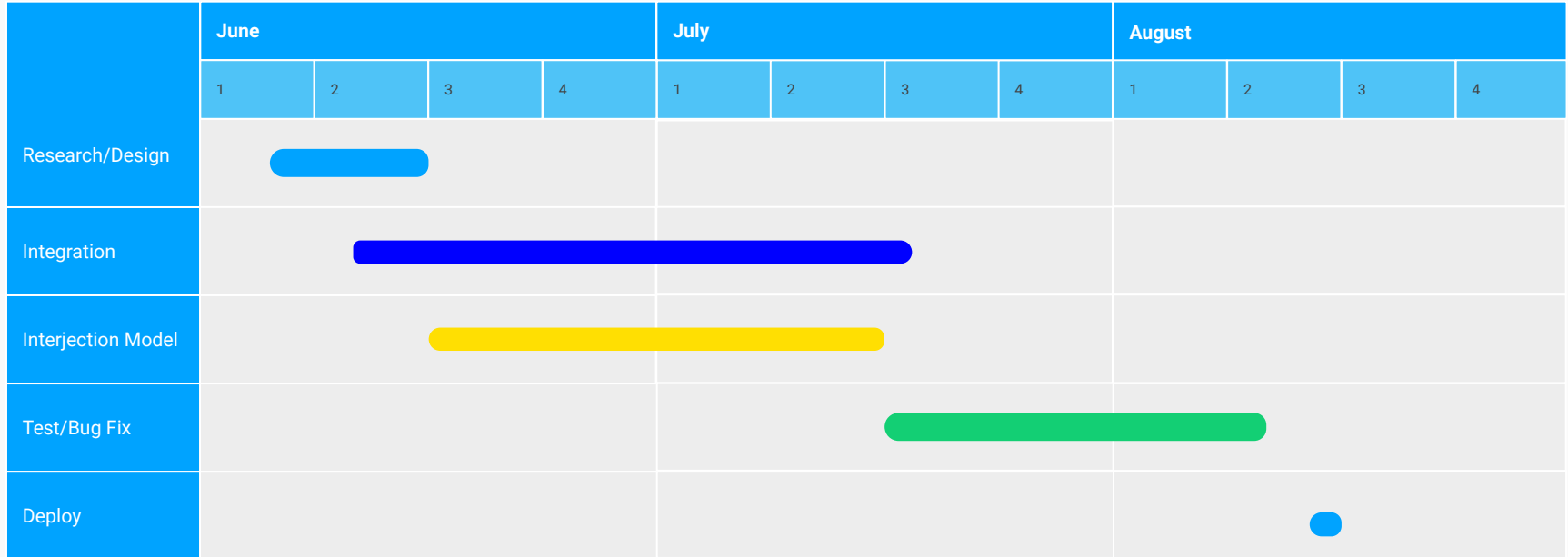
			
AI Personas In Meetings			
Real Time Interactions			
Meeting Summarization			
Process Text/Speech			

Soopra - Participation, not just note taking

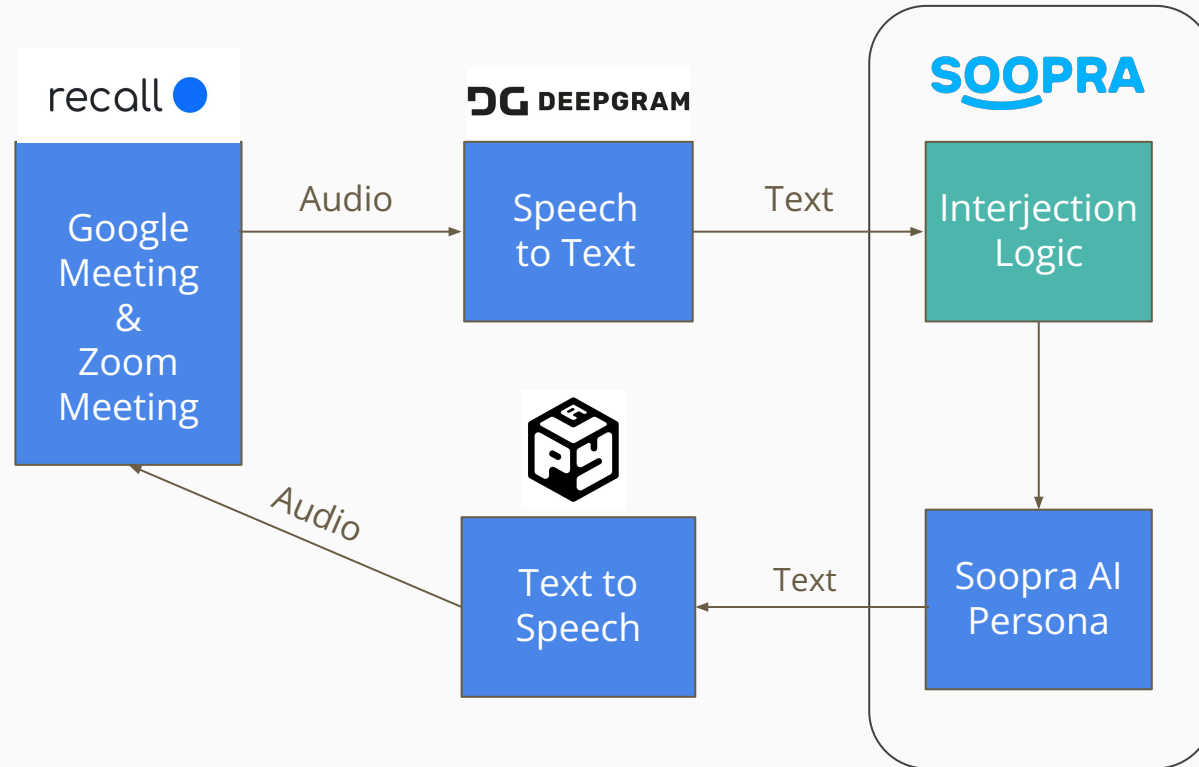
			
AI Personas In Meetings			
Real Time Interactions			
Meeting Summarization			
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Our Approach

Project Approach - Maximizing a short timeline



Architecture - Integrated with meetings and speech



Interjections

Interjections allow personas to interrupt

Interjection is the ability of the persona to respond appropriately to the meeting's current conversation

A persona's decision whether to respond in a conversation or not

Just because you can speak,
doesn't mean you would

The delicate balance of interjection

Implemented Interjection logic to respond by name and topics of interest

Persona behavior meant to emulate real interactions

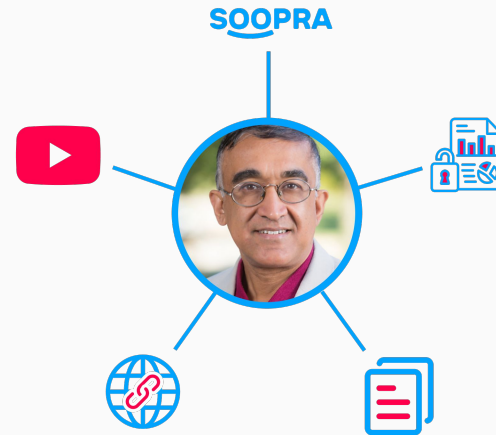
1. Responding by Name



Dr. Ronjon Nag

Named Entity Recognition

2. Responding by Topic of interest



Similarity Scoring by Topic of Interest

Product Demo

Product Demo

The screenshot displays a video conference with four participants in a 2x2 grid. Each tile features the SOOPRA logo and a background with a fingerprint graphic. The top-left tile shows Soumil Gad with a 'R42' icon. The top-right tile shows Dave Onnen with a 'R42' icon and a plus sign. The bottom-left tile shows Ronjon Nag with a photo of him. The bottom-right tile shows Amardeep Singh with a 'R42' icon. To the right, an 'In-call messages' panel is open, showing a message from Ronjon Nag at 7:56 PM: 'Hello, I am an AI persona representing Ronjon Nag'. The panel includes a 'Send a message' input field and a close button. At the bottom of the call interface, there are icons for information, participants (4), chat, and screen sharing.

Let's break down what we saw!

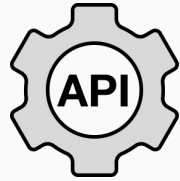
Response via related topic

Response via name



No response when none of the above

Challenges



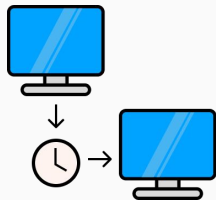
1. Internal API vs Recall Integrations

- Recall.ai selected as an extensible solution for integrations



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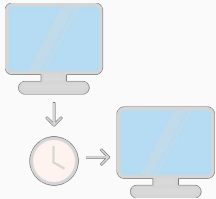
2. Response Latency from AI Persona

- Shortening / cutting backend operational steps where possible



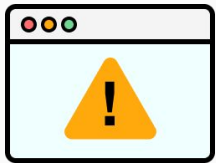
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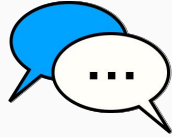


3. Perfecting Interjection Logic

- Focusing and incorporating real life interaction scenarios into our logic

Next Steps

In the future, we will add chat, 3D avatar, and nuanced interruptions



Meeting Chat Integration

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Meeting Chat Integration

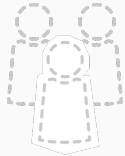


Nuanced support for multiple personas

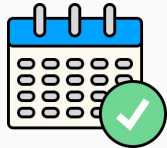
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Meeting Chat Integration



Nuanced support for multiple personas

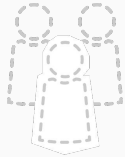


Calendar Integration

In the future, we will add support for chat, calendar, avatar, and multiple personas



Meeting Chat Integration



Nuanced support for multiple personas



Calendar Integration



3D Avatar

Team - Mentors and Fellows

Mentors



Praveena Dhanalakota
CEO, Soopra.ai



Srinivas Jaini
CTO, Soopra.ai

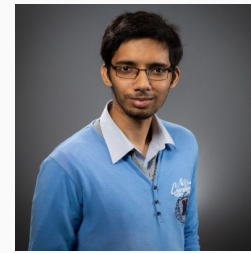
Fellows



Dave Onnen
Senior Tech Executive



Soumil Gad
CS and Stats at UC Davis



Amardeep Singh
M.Eng and P.Eng

Thank You!



Soopra.ai
hello@soopra.ai