

Oltre il Chatbot

Costruisci il Tuo Assistente Vocale Al

Who am I?







Giuseppe Spina



Let's just say...

Let's just say...

• Start your own business



Let's just say...

- Start your own business
- Sales increases



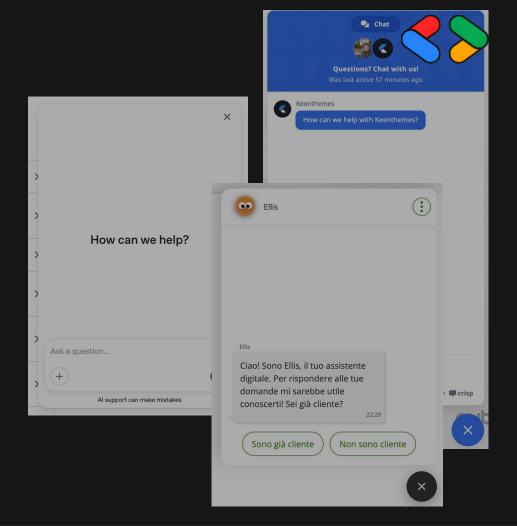


...but

Always on the PC to solve customer problems

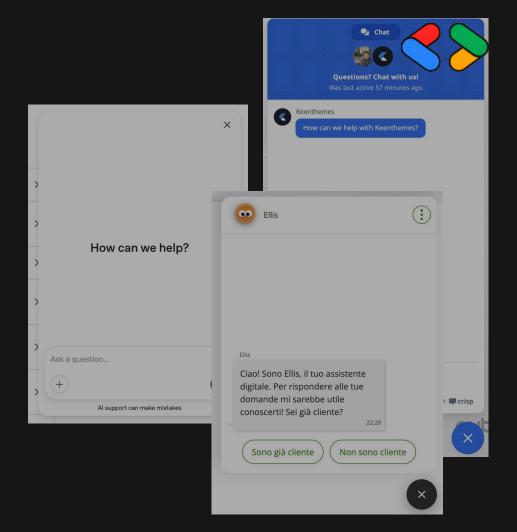






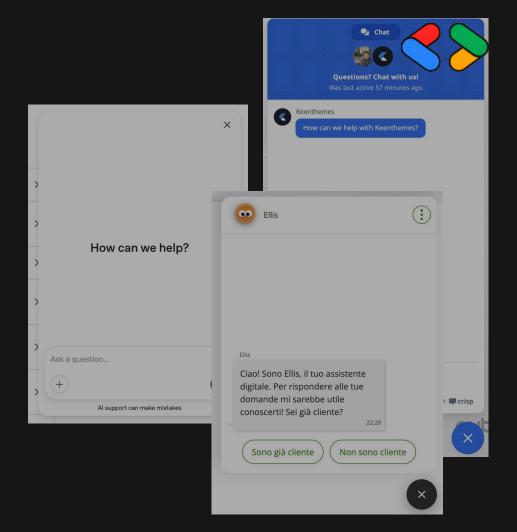
Why:

• Cost reduction (30%)



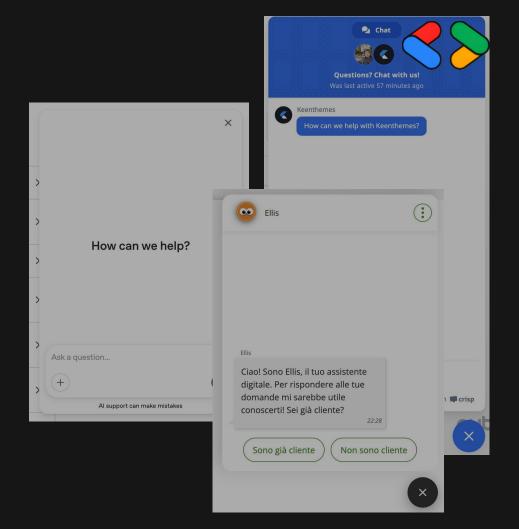
Why:

- Cost reduction (30%)
- Active 24/7



Why:

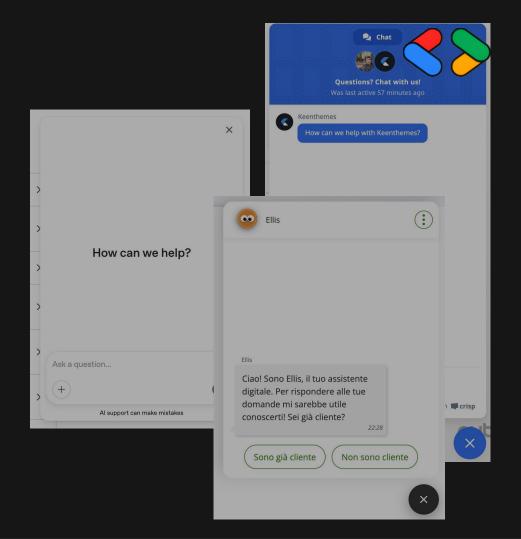
- Cost reduction (30%)
- Active 24/7
- No waiting for customers



Why:

- Cost reduction (30%)
- Active 24/7
- No waiting for customers

Users use them... if they work





"Why don't you understand what I want?"

Problem:

• What are you saying?



"Why don't you understand what I want?"

Problem:

- What are you saying?
- No Context



"Why don't you understand what I want?"

Problem:

- What are you saying?
- No Context

Over 38% of users hate them for this reason





Voice assistant with Al



Voice assistant with Al

Go beyond the limits of chatbots



Voice assistant with Al

- Go beyond the limits of chatbots
- Understands the context well







- Go beyond the limits of chatbots
- Understands the context well
- More human-like interaction









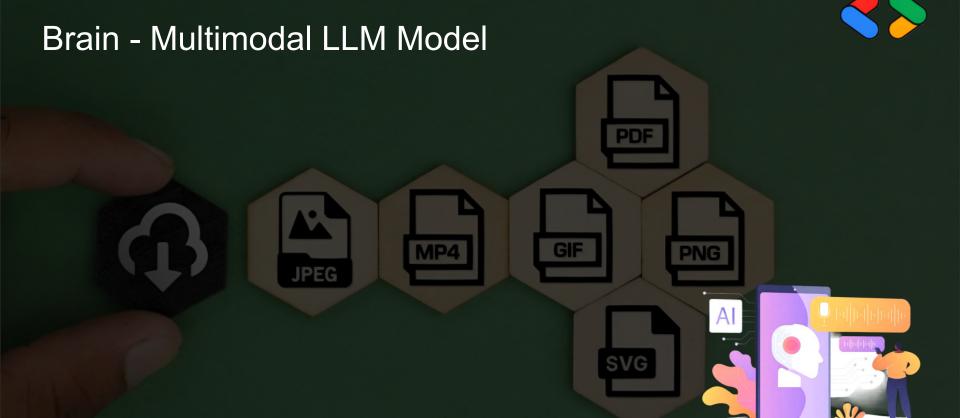














Brain - Multimodal LLM Model

Not just text







Brain - Multimodal LLM Model

- Not just text
- Various input/output (text, voice, images)

JPEG MP4





Brain - Multimodal LLM Model

- Not just text
- Various input/output (text, voice, images)

SVG

A more **human-like** interaction



Brain - Gemini Live Service

Gemini 2.0 Flash



Brain - Gemini Live Service

Why:

Easy integration





Brain - Gemini Live Service

Why:

- Easy integration
- Real-time response







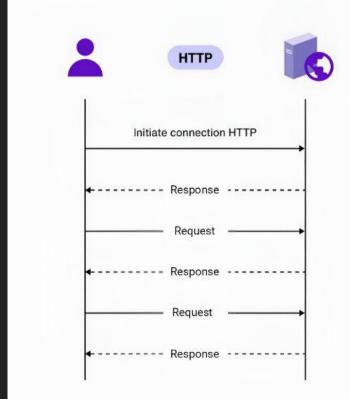
Why:

- Easy integration
- Real-time response
- Smoother interaction



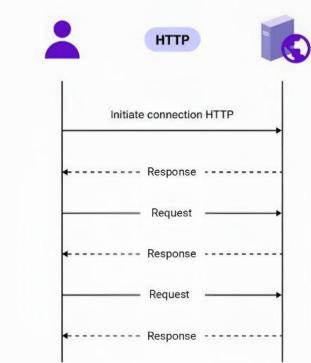








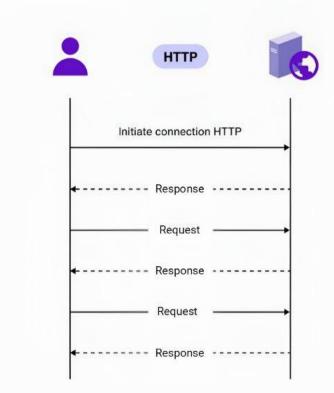
HTTP Request





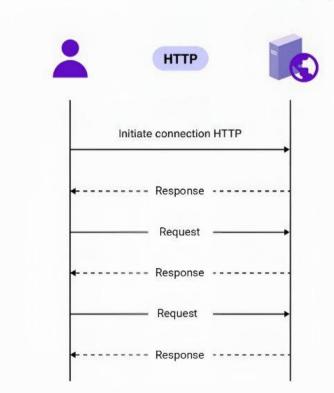
HTTP
 Request → Response





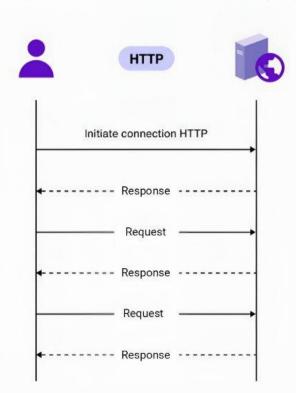


HTTP
 Request → Response ... Request



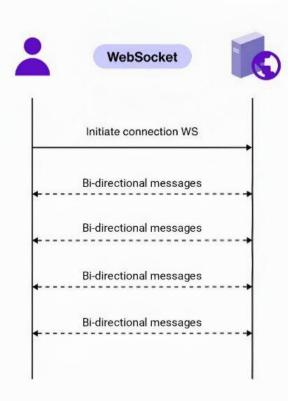


HTTP
 Request → Response ... Request (etc)
 (Slow)



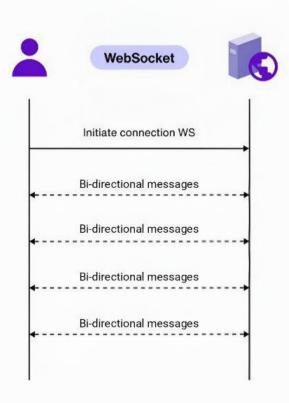


- HTTP
 Request → Response ... Request (etc)
 (Slow)
- Websocket



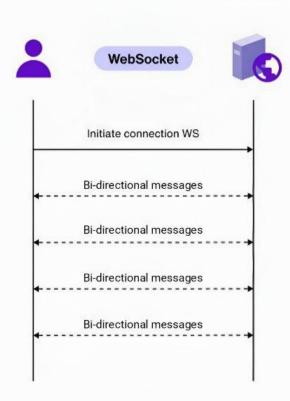


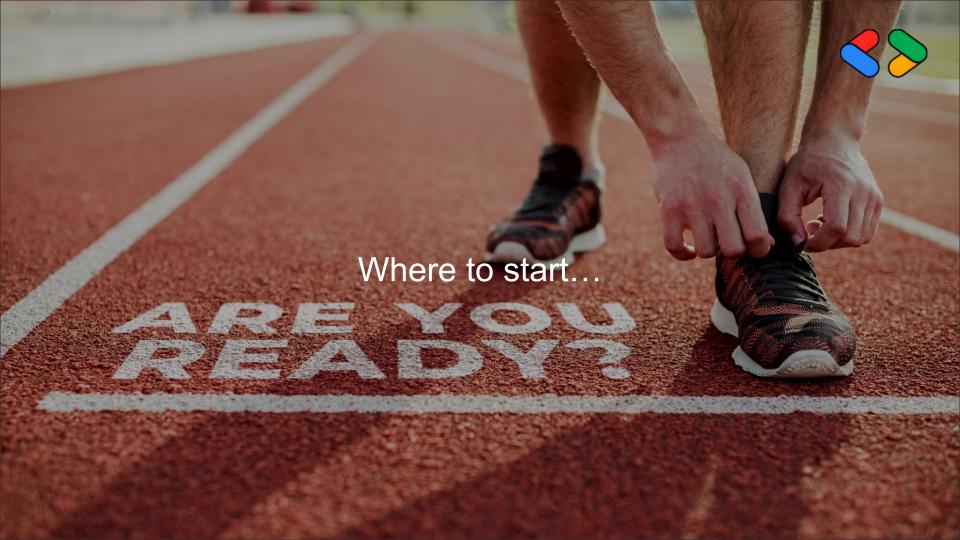
- HTTP
 Request → Response ... Request (etc)
 (Slow)
- WebsocketAlways open channel





- HTTP
 Request → Response ... Request (etc)
 (Slow)
- Websocket
 Always open channel
 (Instantaneous)

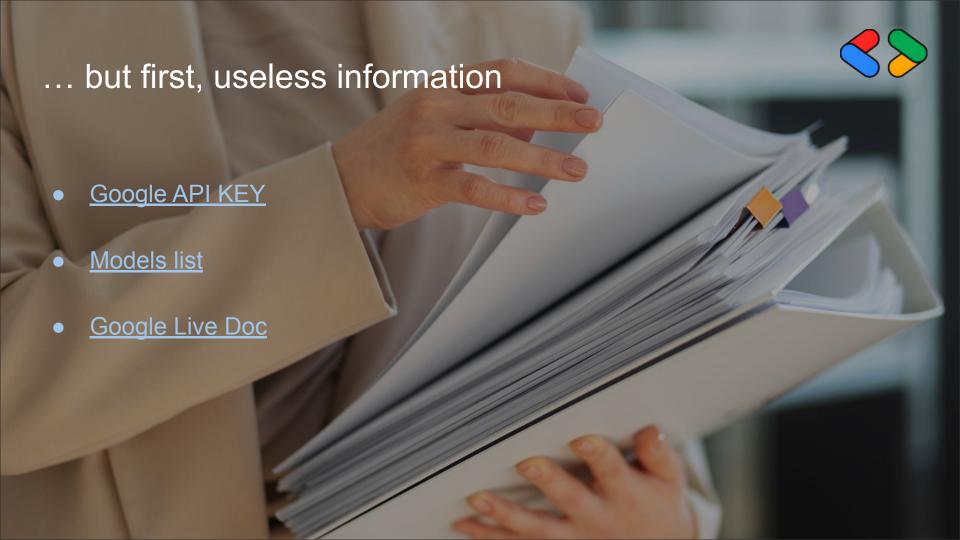


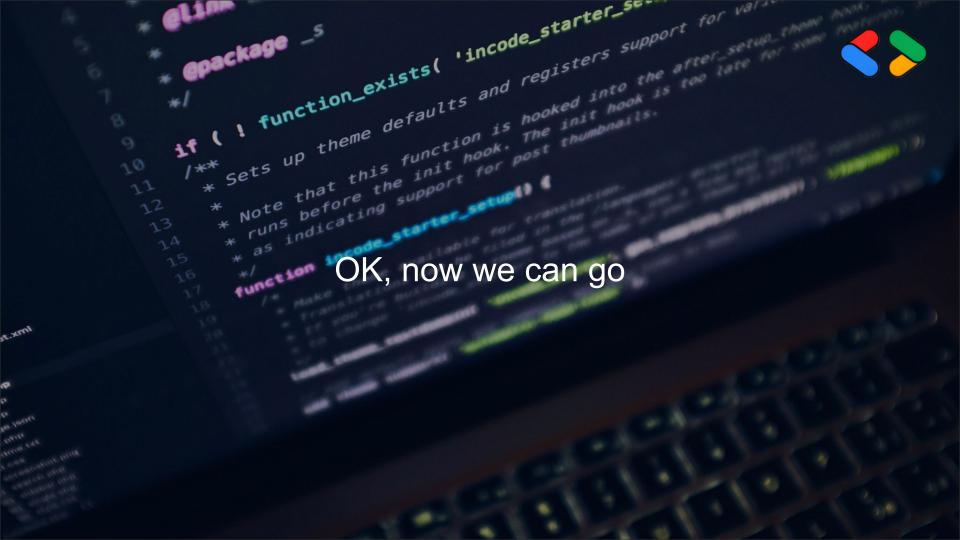








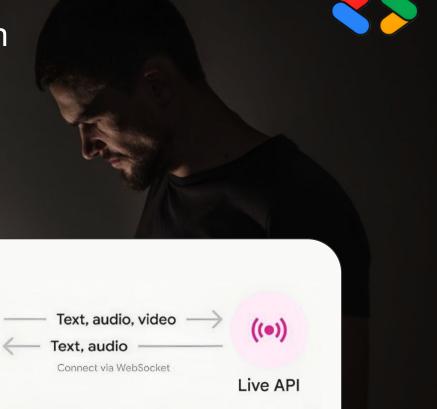


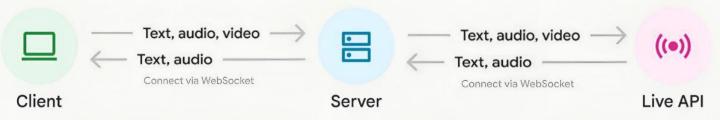


Client - Gemini solution



Client - Server - Gemini solution





Ephemeral token solution





Thank you for your attention

Leave me some feedback if you like

Github Repo



