

The background features several abstract blue watercolor-like shapes. In the top left, there are two overlapping, soft-edged shapes. In the bottom left, there is a cluster of small, dark blue dots. On the right side, there is a large, light blue shape and a series of thin, dark blue curved lines that sweep upwards.

llama-first-aid

Your virtual first aid assistant, powered by GenAI

Llama Impact Hackathon - Rome 2024

● Scope

Leverage AI to enhance citizens' well-being, focusing on health, social services, the environment, transportation, public safety, and public administration.

● Prizes

🏆 Win up to \$5,000 and chance to expand social project through the 'Llama Impact Grant' program!

★ First 2 winning teams will join the Meta & lablab NEXT digital incubation program and visit Meta research centers and meet experts, for 2 days.

● Stats

411

Participants

72

Teams

39

AI Applications



AgID Agenzia per
l'Italia Digitale



SAPIENZA
UNIVERSITÀ DI ROMA

<https://lablab.ai/event/hackathon-llama-impatto-roma>

The background features abstract blue watercolor washes and dark blue line art. On the left, there are several curved, parallel lines. In the center and right, there are irregular, organic shapes with scattered dark blue dots and speckles, resembling a microscopic or cellular structure.



Problem

Slow response times, inadequate first aid training, emergency room overcrowding, inefficient communication during emergencies, and limited healthcare access in remote areas all significantly contribute to increased mortality rates. For example, 60,000 people die annually in Italy from cardiac arrest due to delays in receiving timely medical assistance [\[1\]](#).



Idea

Create a simple web-based, GenAI-powered assistant that provides real-time, step-by-step first aid guidance for medical emergencies, to deliver personalized, interactive instructions and support, with features like dual input (text/audio), educational videos, and location-based assistance.





Advantages

Real-Time Assistance

Assistance, whenever and wherever you need

Simple & Fast Instructions

Simple, concise, non expert responses, fast

Criticality understanding

Understand criticality and handle it properly

Multi-Input Modality

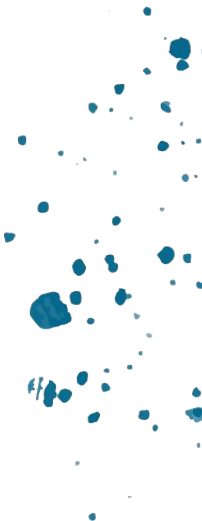
Users can reduce time to explain the issue

Trusted References

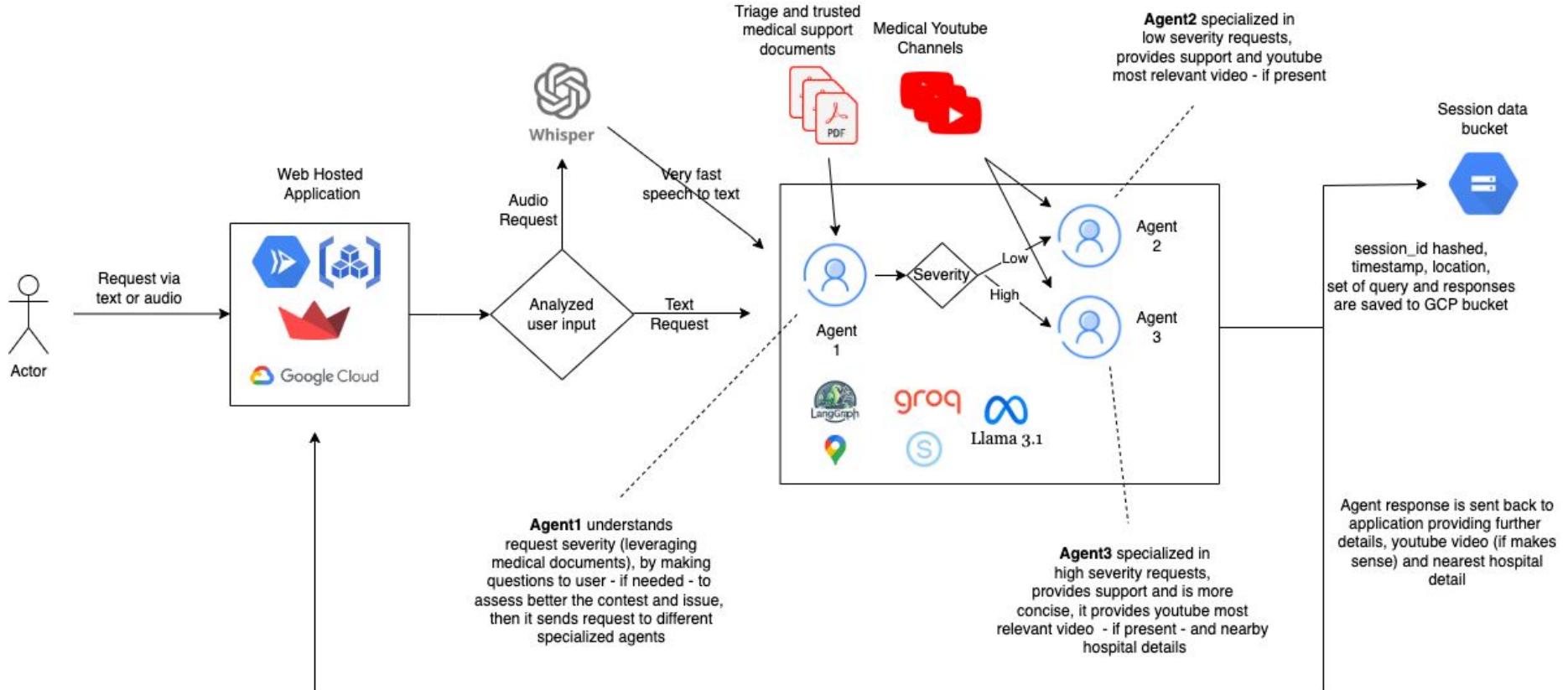
Get instructions from trusted entities

Location Based Assistance

Find the nearest hospital and decide



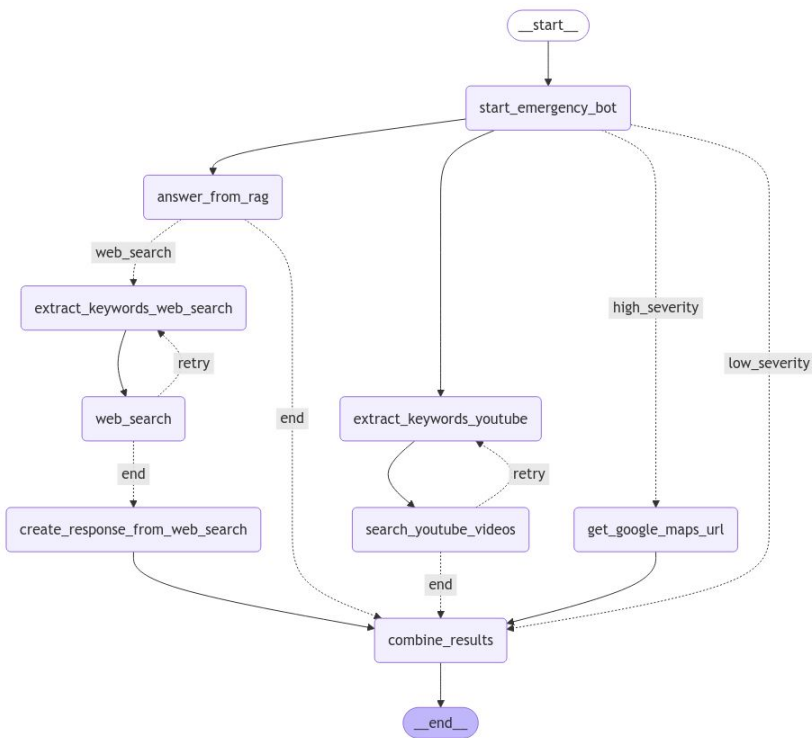
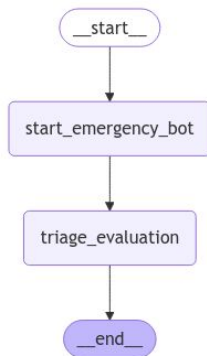
Architecture explained



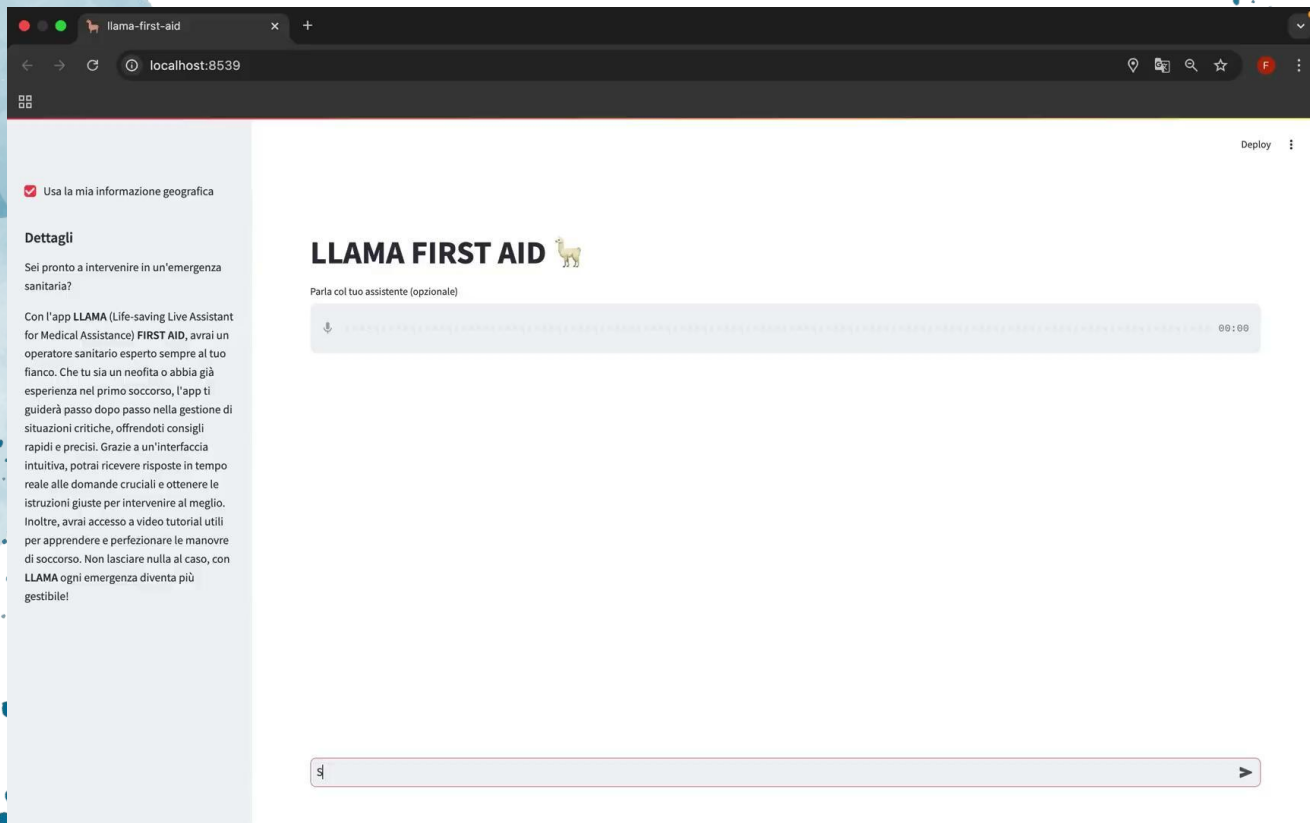
Architecture explained: Deep-dive Agents

Specialized Agents Graph

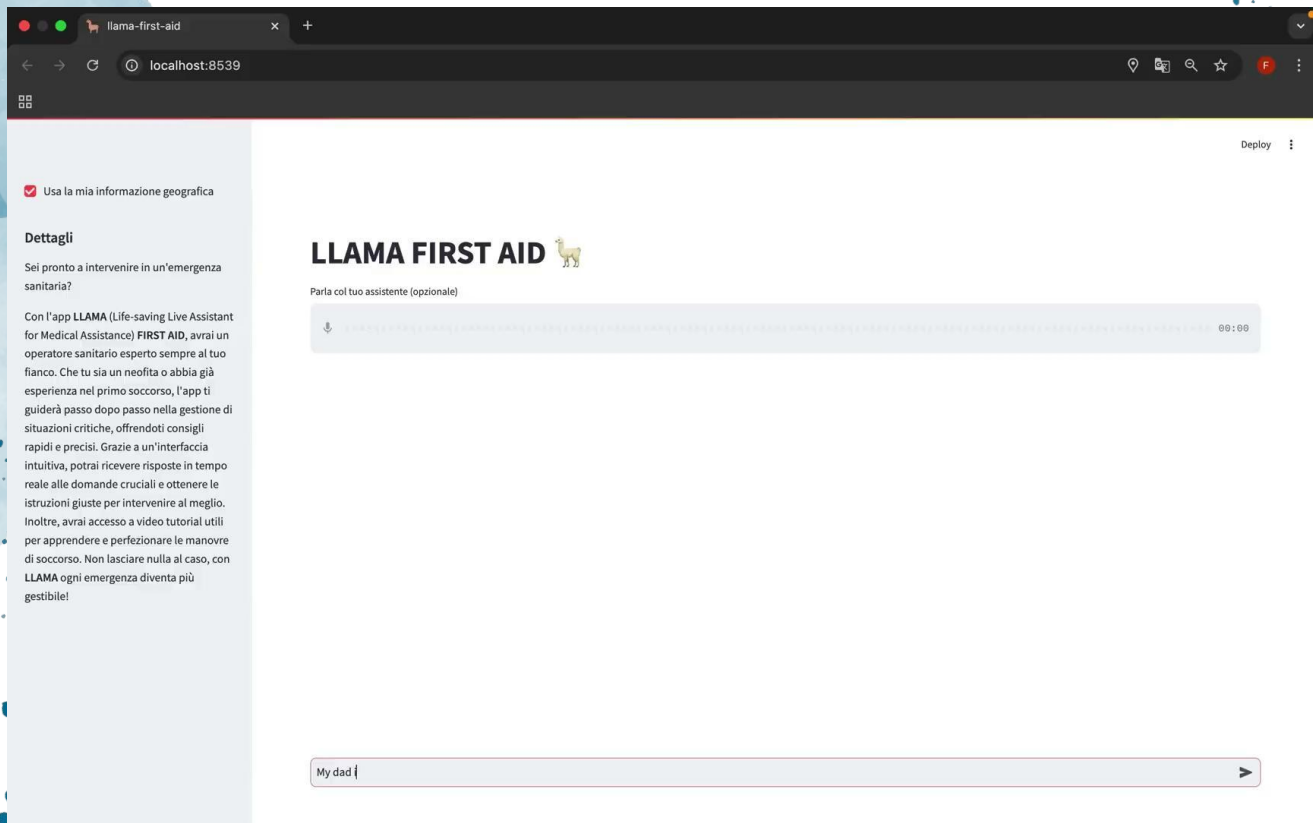
Triage Agent Graph



Demo



Demo



Demo

llama-first-aid

localhost:8539

📍 📄 🔍 ☆ F ⋮

🗖

⌵ RUNNING... Stop Deploy ⋮


☒ Usa la mia informazione geografica

Dettagli

Sei pronto a intervenire in un'emergenza sanitaria?

Con l'app **LLAMA** (Life-saving Live Assistant for Medical Assistance) **FIRST AID**, avrai un operatore sanitario esperto sempre al tuo fianco. Che tu sia un neofita o abbia già esperienza nel primo soccorso, l'app ti guiderà passo dopo passo nella gestione di situazioni critiche, offrendoti consigli rapidi e precisi. Grazie a un'interfaccia intuitiva, potrai ricevere risposte in tempo reale alle domande cruciali e ottenere le istruzioni giuste per intervenire al meglio. Inoltre, avrai accesso a video tutorial utili per apprendere e perfezionare le manovre di soccorso. Non lasciare nulla al caso, con **LLAMA** ogni emergenza diventa più gestibile!

LLAMA FIRST AID




Parla col tuo assistente (opzionale)

📶

00:00

☒ Sto avendo un attacco di panico ma non riesco a capirne il motivo.

☐ Sto pensando per capire la gravità della situazione...



Descrivi il problema o la situazione di emergenza

▼



Future expansions

Image Upload


Improve situational analysis, letting the experience faster

Evaluation & Guardrails

Ensure and evaluate accuracy, safety, and relevance

Data Analytics & Alerting

Generate stats, real-time analytics, and alerts in critical emergencies



GenBros Team Members



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References



<https://github.com/Amatofrancesco99/llama-first-aid>



<https://llama-first-aid.streamlit.app/>



Thanks

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