

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**

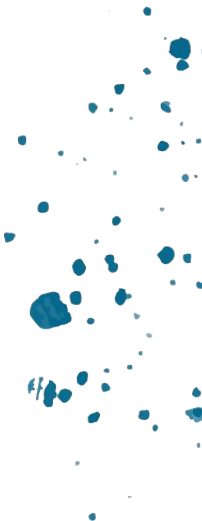
Users can reduce time to explain the issue

## **Trusted References**

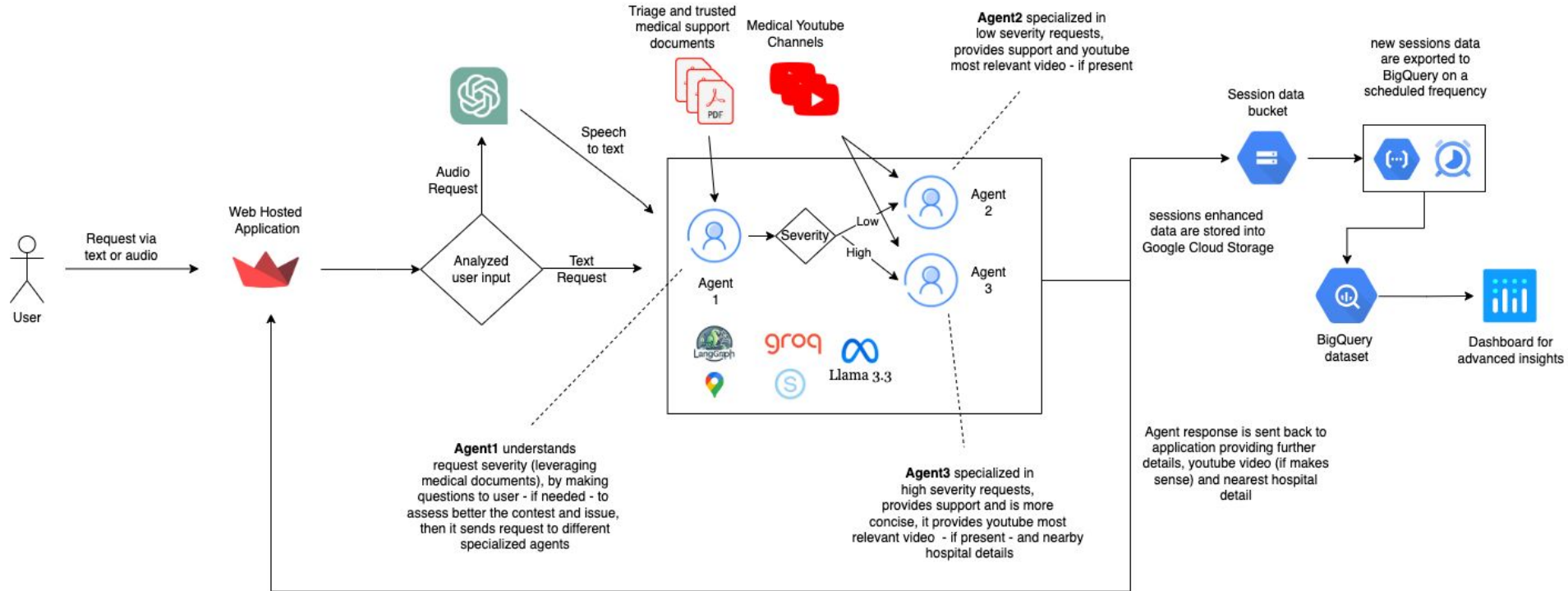
Get instructions from trusted entities

## **Location Based Assistance**

Find the nearest hospital and decide



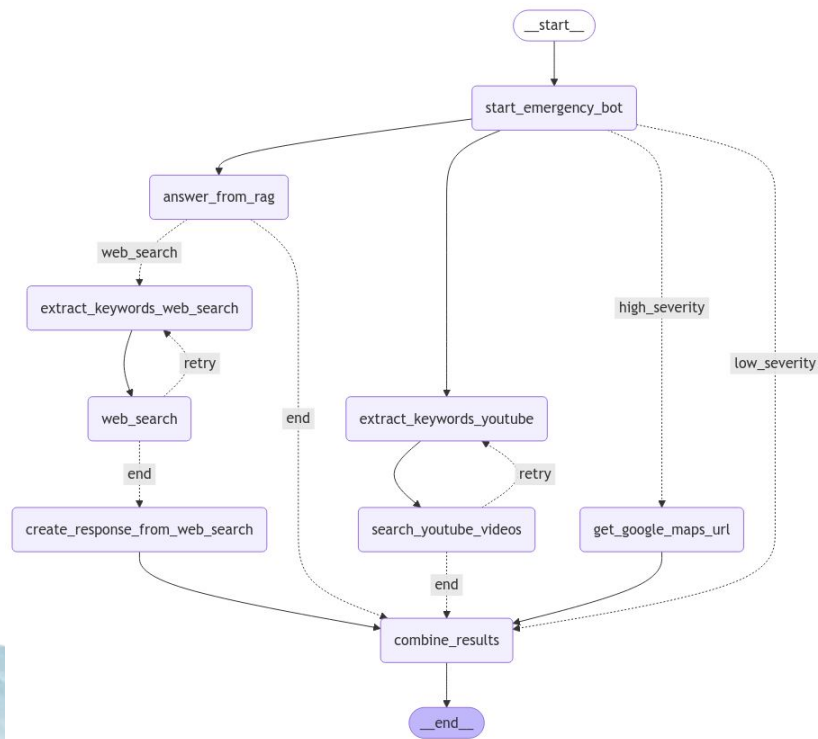
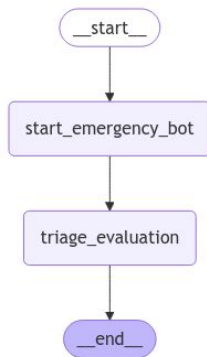
# Architecture explained



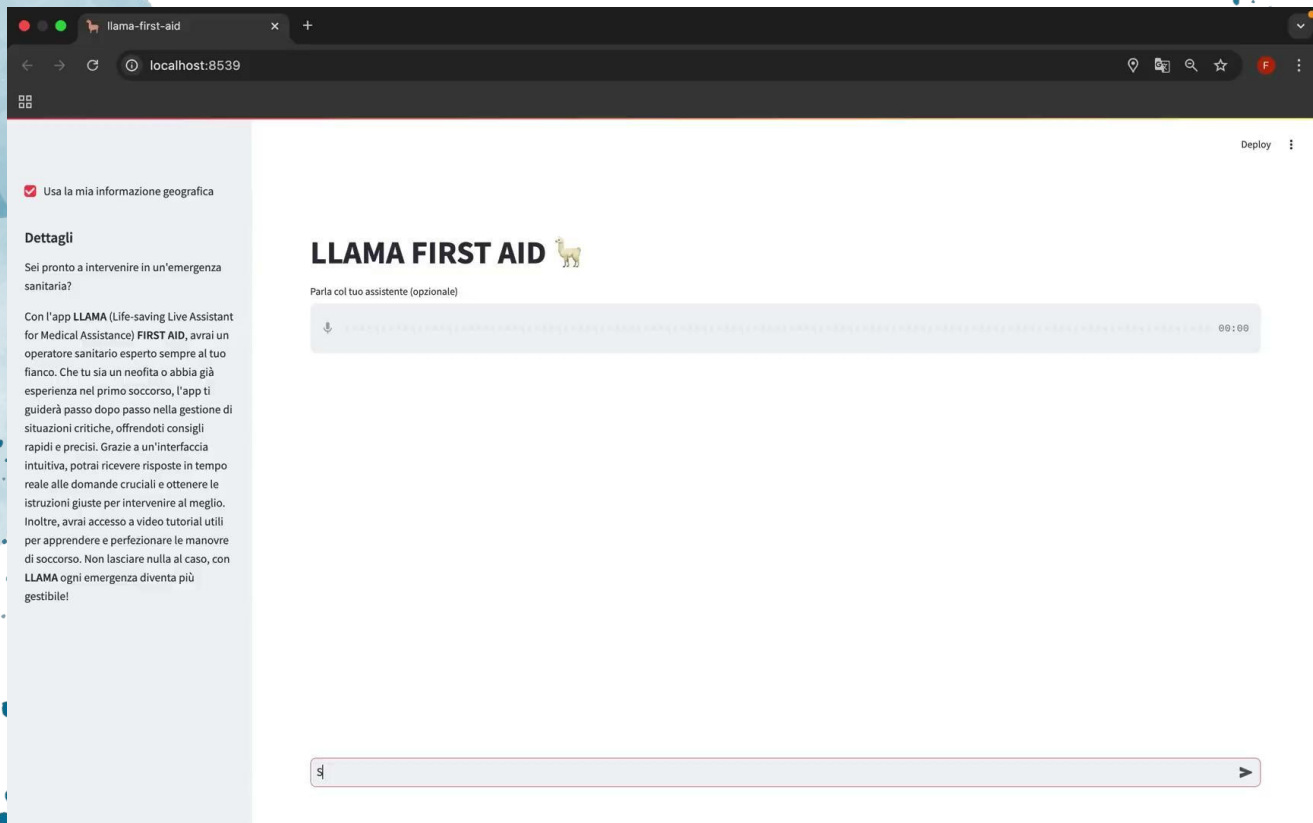
# Architecture explained: Deep-dive Agents

## Specialized Agents Graph

### Triage Agent Graph

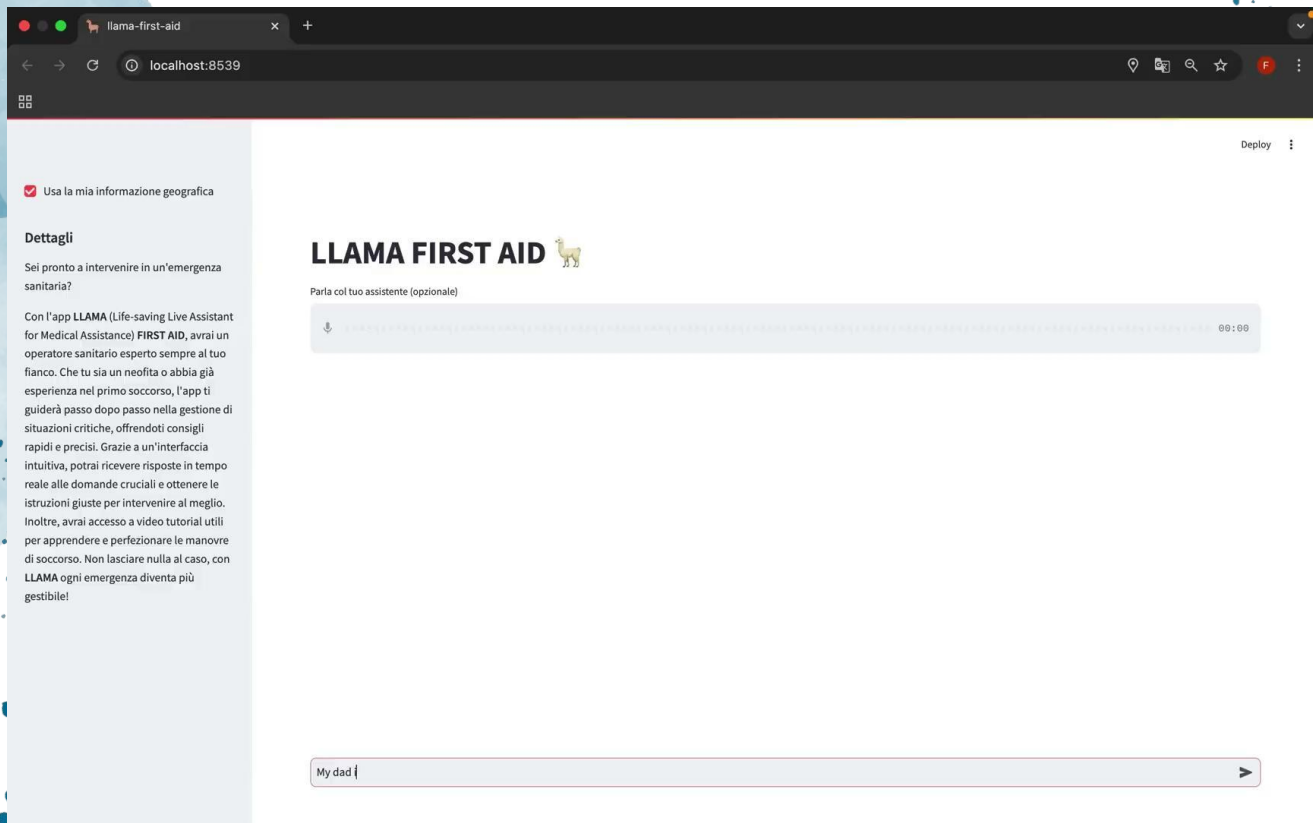


# Demo

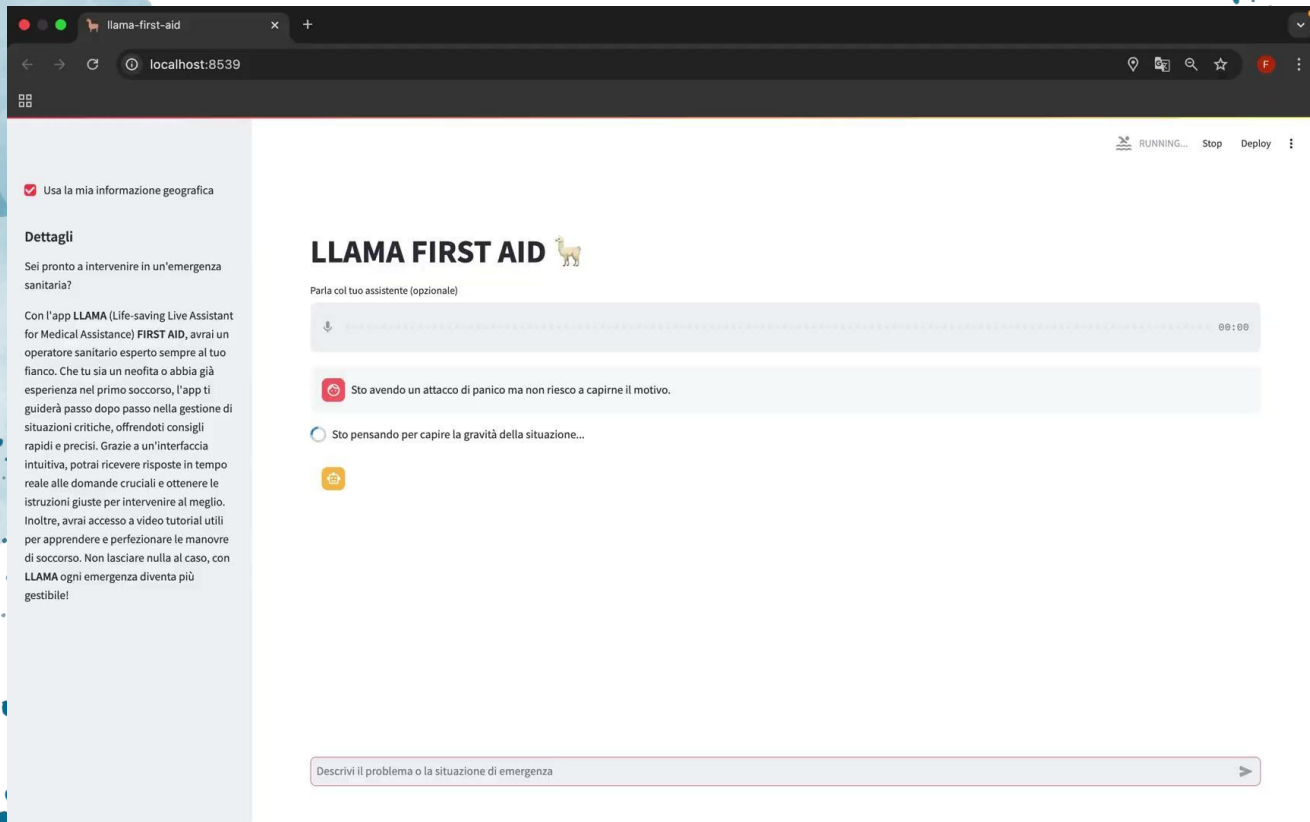




# Demo



# Demo





# Future expansions

## Image Upload


Improve situational analysis, letting the experience faster

## Evaluation & Guardrails

Ensure and evaluate accuracy, safety, and relevance

## Alerting

Generate alerts for hospitals in critical emergencies



# GenBros Team Members



**Francesco Amato**

Advanced Data Scientist  
*NTT Data Italy*



**Davide Galassetti**

Senior Data Scientist  
*NTT Data Italy*

# References



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



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



# Thanks

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