

Falcon Hackathon

reewos

# WaitLessCare

Virtual assistant for faster and more efficient medical care



01



# Problem



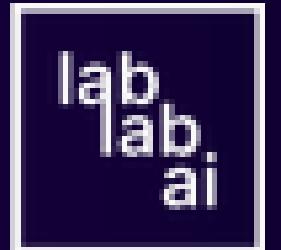
# 02 >>> Solution

- **WaitLessCare** is an innovative artificial intelligence solution designed to enhance the patient experience in hospitals.
- **Reduced Waiting Time:** Patients don't just wait, they use their time to provide relevant information, speeding up the consultation process.
- **Improved Diagnostic Accuracy:** With a detailed and well-organized history, doctors can focus on diagnosis and treatment, improving the quality of care.
- **Workflow Optimization:** Medical staff benefits from an organized and efficient platform, which reduces administrative burden and allows them to focus on patient care.



# 03 >>> Tech

- Programming Language: Python
- Frontend Framework: Streamlit
- APIs: AI71
- LLM: Falcon 2 11B
- Database: Firebase Cloud Firestore



04



# Demo

The screenshot shows a conversational interface for a medical AI system named 'WaitLessCare'. At the top, there's a logo of a robot head and the text 'WaitLessCare'. Below it is a navigation bar with three tabs: 'Chat' (which is red and underlined), 'Recommendations', and 'About'. The main area is a chat window with two messages:

- A bot message: "Thanks for providing this information. Do you have any known allergies?"
- A user message: "no, i don't have"

Another bot message follows:

- A bot message: "Thanks for providing this information. Is there any significant disease in your family history?"
- A user message: "No, there isn't"

Finally, the bot concludes the conversation:

- A bot message: "Thank you for providing all this information. I will save it so that the medical staff can assist you better. Please wait for your turn 😊."

At the bottom of the chat window is a text input field with the placeholder "Say something..." and a send button with a right-pointing arrow.

# 04 >>> Demo

The screenshot shows a user interface for a medical AI system. At the top, there are three tabs: "Chat" (disabled), "Recommendations" (selected, indicated by a red underline), and "About". In the top right corner, there is a "Deploy" button. The main content area is divided into sections:

- Explanation:** This is a view that the doctor could see when treating the person.
- Summary:**
  - Symptoms:** Dry cough
  - Medical history:** No other illness
  - Allergies or contraindications:** None
  - Family history:** No relevant family history
  - Possible diagnosis:** Upper respiratory tract infection
  - Possible procedures (medicines and treatments):**
    - Cough syrup to relieve dry cough
    - Antibiotics if bacterial infection is suspected
    - Rest and hydration to support immune system

05 >>>

# Target audiences

- Patients
- Hospitals
- Doctors
- Also... This idea could also be applied to other environments such as waiting in banks, service centers, etc.

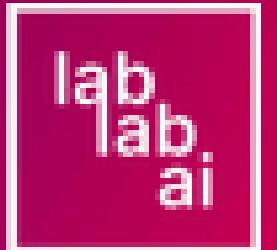
CONTACT

Reewos Talla Chumpitaz

[reewos.talla.c@uni.pe](mailto:reewos.talla.c@uni.pe)

LinkedIn: [reewos-talla-chumpitaz](https://www.linkedin.com/in/reewos-talla-chumpitaz)

Github: [@reewos](https://github.com/reewos)



# Thank You

