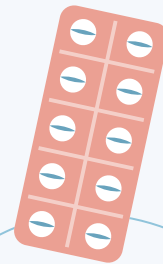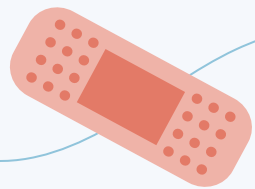# AI Assistant in Cardiovascular Emergency Response
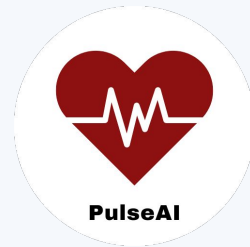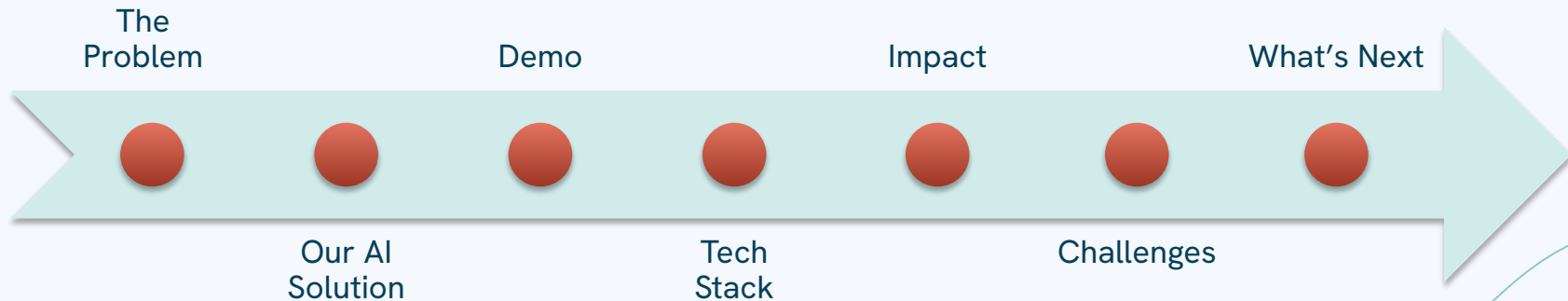
The Gallops

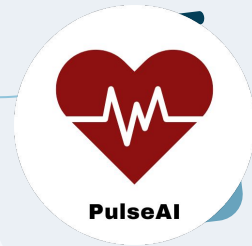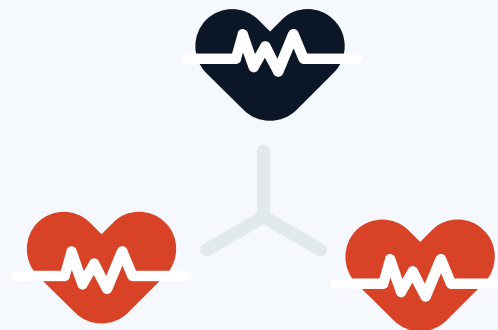PulseAI

What we will cover

The
Problem

Demo

Impact

What's Next

Our AI
Solution

Tech
Stack

Challenges

PulseAI
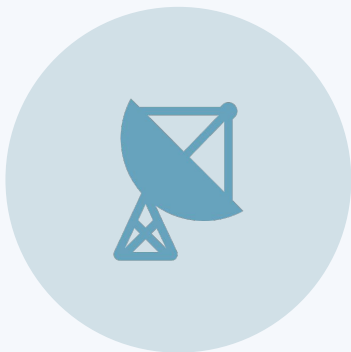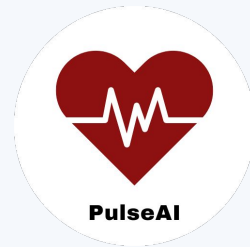
The problem : Cardiovascular diseases

PulseAI

Leading cause of deaths in last 3 decades

One third of global deaths

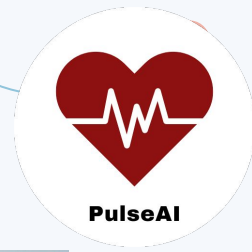# The problem : Cardiovascular diseases

PulseAI

Rural/remote areas lack fast response
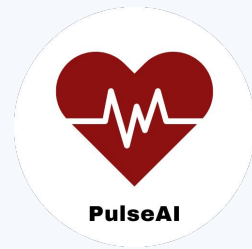
High rates of preventable deaths

The problem : Cardiovascular diseases

PulseAI

Every minute without **CPR** or **defibrillation**, a person's chance of survival decreases by about **10%**

PulseAI

Time matters!

Our solution : Meet our PulseAI

PulseAI

Concept ——————— Guided by protocol.
Driven by context.
Focused on saving lives.

Assessment ——————— Real-time symptom assessment of
cardiovascular emergency

Advice ——————— Smart medical advice and
interactions with human

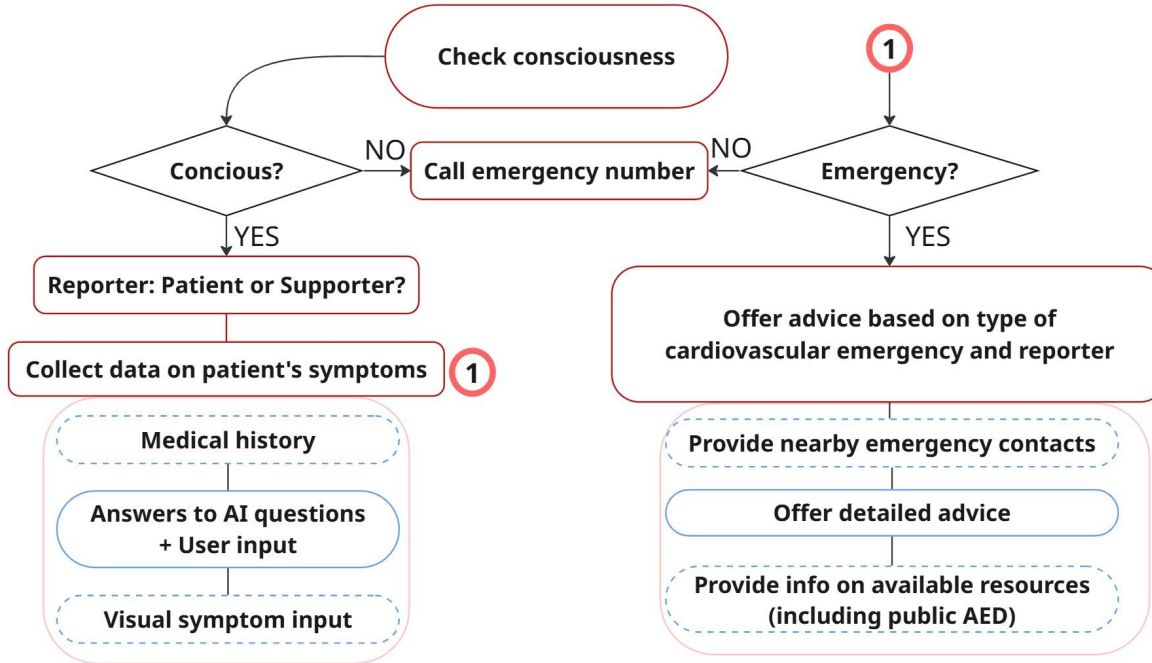**Features** ——————— Voice, text and image
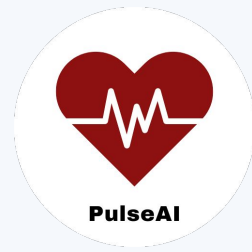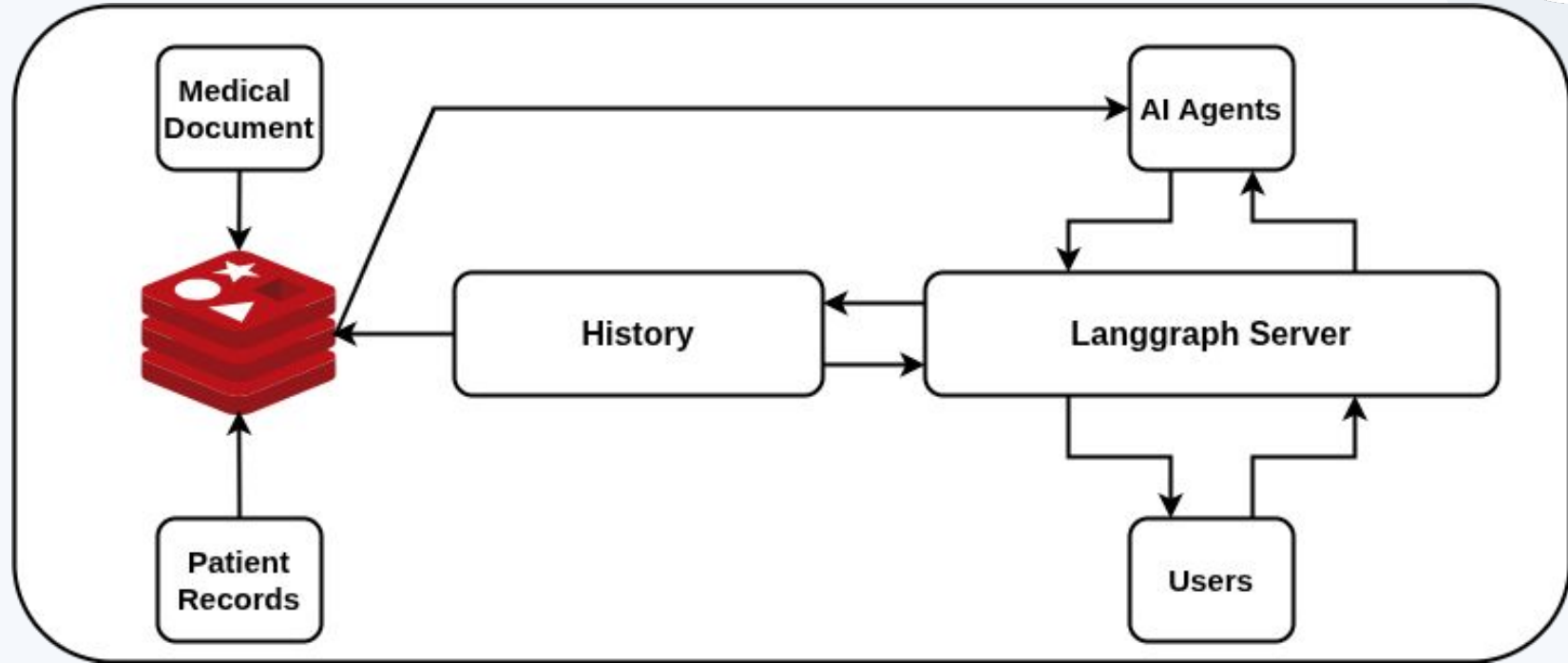interface.
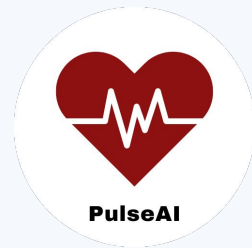
Users ——————— first responders, patients

PulseAI Workflow

Technology Stack with Agents

Impacts and Benefits

Increase survival rates for millions of patients

Faster emergency decision-making

Reduced load on Accident & Emergency staff
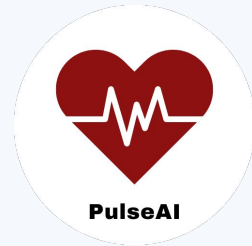
Support for remote/rural healthcare

Facilitates clinical handover

PulseAI

Challenges
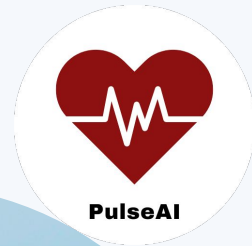
PulseAI

- Ensuring medical accuracy

- Ethical concerns: liability, trust

- Wellness strategies Data privacy and security

Future plans

PulseAI

❤ Add real-time vital signs integration (IoT devices)

🧰 Clinical validation

🏠 Include medical history of patients to enable faster diagnosis