

SafeGuardianA

A natural disaster response assistant in your pocket.

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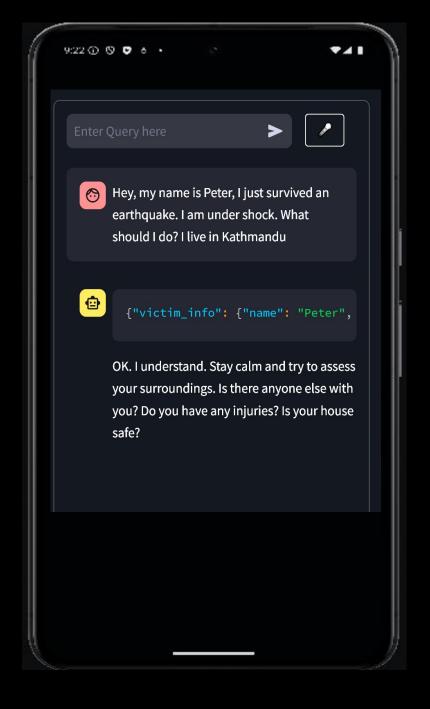


Victim Support

Immediate support to victims through Conversational Al

Standardized data collection

Al-powered emotional and psychological assistance for victims



Rescue Support

Automatic assessment of case severity

Informed decisions based on real-time data

Dynamic path-optimization



Features - Client

- Psychological & emotional support
- Basic survival assistance
- Estimation of vital emergency status
- Standardized data collection

9:22 ① ⑤ ♥ ㅎ ・

>>> My name is Sinan, I am 30. I got stuck in an Earthquake.
I cant breathe, can you help?
assistant: Sinan, I'm so sorry to hear that you're going thr
ough this. I'm here to help, and I'll do my best to assist y

First, please try to remain calm. Panicking can make it hard er to breathe. Here are some steps to help you:

- 1. **Stay still**: Try not to move or struggle, as this can make it harder for you to breathe.
- 2. **Clear your airway**: If you're conscious, try to clear your airway by coughing or swallowing. This might help open up your airways.

3. **Pinch your nose shut**: Close one nostril with your fin ger to stop air from entering your nostril. This can help re duce the amount of debris you're inhaling.

- 4. **Breathe through your mouth**: Take slow, deep breaths t brough your mouth. Try to breathe in for a count of four, ho ld for a count of four, and then exhale for a count of four. 5. **Cough**: Coughing can help clear your airway and push a ny debris out of your lungs.
- 6. **Call for help**: If you're in a building or a location with a phone, call for emergency services or someone to help you. If you're in a remote area, try to find a way to signal for help or wait for rescue teams to arrive.

Remember, your priority is to get air into your lungs. If yo u're experiencing severe difficulty breathing, try to find a way to get outside or move to a safer location.

- **If you're experiencing severe symptoms, such as:**
- * Coughing up blood
- * Severe difficulty breathing
- * Chest pain or tightness
- * Confusion or loss of consciousness

Call emergency services immediately. They will be able to provide you with the help you need.

Stay with me, Sinan, and try to stay calm. Help is on the way.

>>> Send a message ... (type "/exit" to quit)

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DUIID

Features - Server

- Offline Persistent DB
- Real-time updates
- Emergency Filters
- Optimized Routes



Tech-Stack

• Al Model: Openai O1-Preview Gemini-Flash-1.5

Dataset: Fire-Base Realtime

Front-End : Streamlit

Hosting: HuggingFace Spaces

Mapping: Kepler.gl

Route Optimization : OSRM













Future Work

- On-device LLMs with function-calling
- Add fleet capacity for Path Optimization
- Neighbourhood density layer
- Ad-Hoc Networks

 device-to-device
 communication



Thank you, and Stay Safe!

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