

# Build And Grow

*an initiative by*



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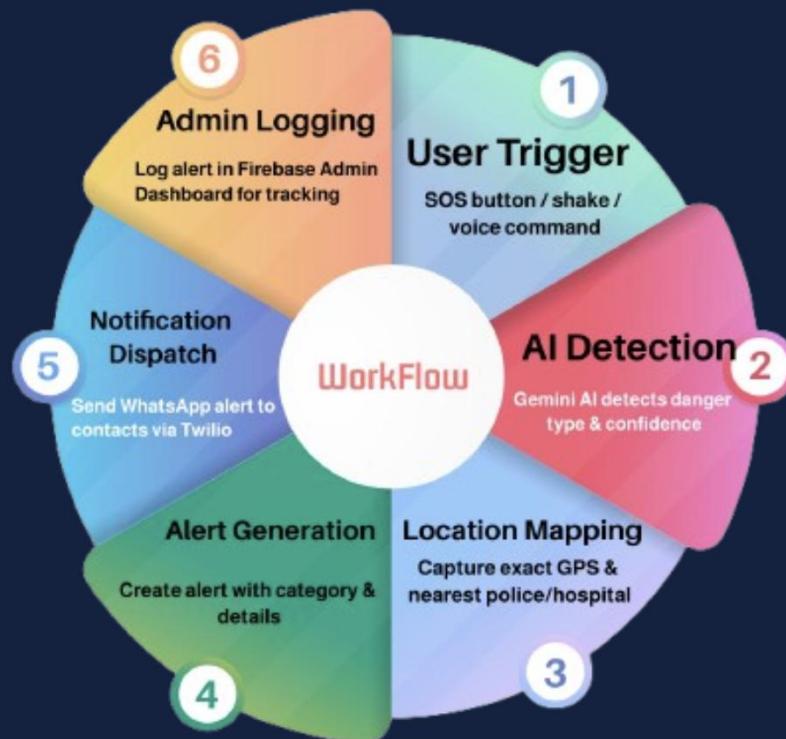


# Problem Statement

In critical situations like accidents, harassment, or medical emergencies, individuals are unable to reliably alert contacts or authorities in real time with exact location and context.

# Your Idea

"Emergency AI Guardian is a mobile-first safety app designed to save lives in critical situations. Using AI-powered danger detection, it identifies emergencies from user triggers, speech, or images, maps the exact location, and instantly alerts contacts via WhatsApp. All alerts are logged in an admin dashboard for real-time tracking, ensuring timely intervention and maximum safety."



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# Technical Solution

## 1. User Trigger

SOS button, shake gesture, or voice command activation

## 2. AI Danger Detection

Gemini API analyzes speech, images, and sensor data

Classifies emergencies (accident, harassment, medical) with confidence score

## 3. Location Intelligence

Uses Base44 to encode precise GPS coordinates

Finds nearest police station or hospital

## 4. Alert Generation & Logging

Creates structured alert: type, confidence, timestamp, Base44 location

Logs all alerts in Firebase Firestore for admin monitoring

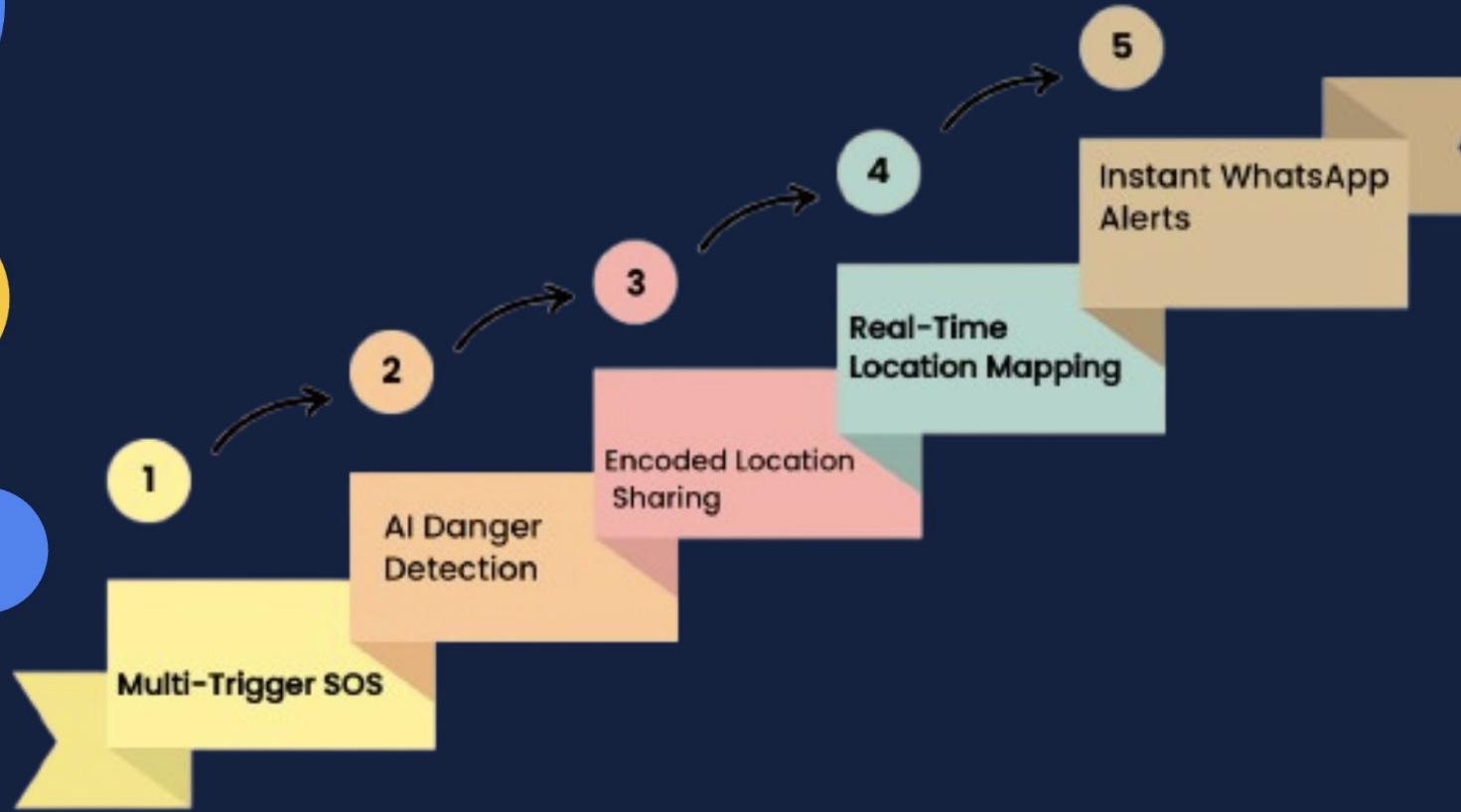
## 5. Admin Dashboard Monitoring

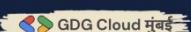
Real-time tracking, filtering by category, and status updates

Visual map pins and alert animations for better UX

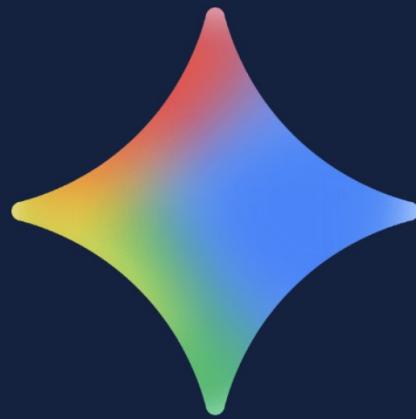


# Features



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# Tech Stack



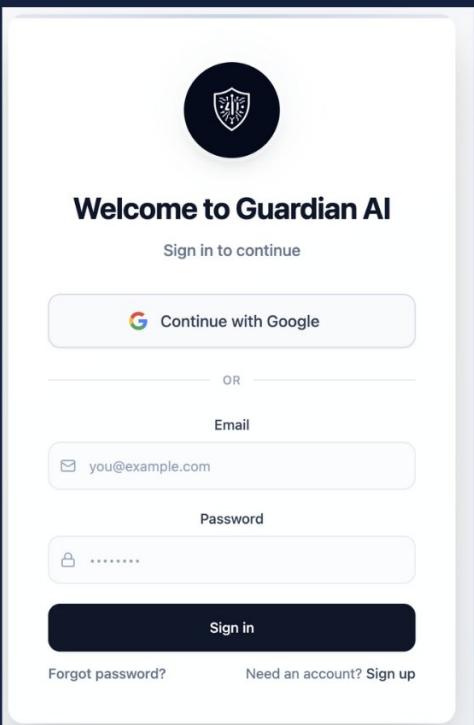
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# Use of Gemini API

## Use of Gemini API in Emergency AI Guardian

- **Danger Detection:** Analyzes real-time data from speech, images, and sensors to detect emergencies.
- **Emergency Classification:** Categorizes incidents such as accidents, medical emergencies, or harassment.
- **Confidence Scoring:** Assigns a confidence score to each detected threat to reduce false alarms.
- **Alert Prioritization:** Helps determine which alerts are urgent and need immediate action.
- **Integration:** Works seamlessly with Base44 (location) and Twilio (notifications) to automate emergency alerts.

# Demo



The dashboard of the AI Guardian Emergency Monitoring System. It includes a sidebar with "DASHBOARD" (Monitor, Alert History, Emergency Contacts, Settings), "SYSTEM STATUS" (AI System Online, WhatsApp Connected, Location Services), and a footer note "Powered by Gemini AI".

The "Emergency Monitoring" interface. It shows a message "Alerts sent to 2 contact(s)". The "Input Monitor" section contains a text input field with placeholder text "please .....i am facing some problem", a "Voice Input" button, and coordinates "Latitude: 19.107948775870625" and "Longitude: 72.83751296496541". A red button labeled "Analyze for Danger" is present. The "Analysis Results" section shows "DANGER DETECTED" with a yellow warning icon. Other sections include "Current Location" (Latitude: 19.107949, Longitude: 72.837513), "Emergency Contacts" (John Doe, Emergency Services), and "System Status" (AI Detection Online, Location Services Active). A "Edit with Base44" button is also visible.

The "Emergency Contacts" management screen. It lists two contacts: "John Doe" (+918766028985) and "Emergency Services" (+911008). Both contacts are marked as "high priority" and "family". Each contact has a "Receiving alerts" toggle switch set to "On". A red "+ Add Contact" button is located at the top right.

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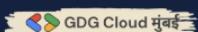
# Links

Deployed URL\*:

<https://guardian-ai-e72dd4c6.base44.app/>

\*Optional

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# THANK YOU

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