

# Build And Grow

*an initiative by*



**Team Name: HackTrio**

**Team members: Raj Rasal**

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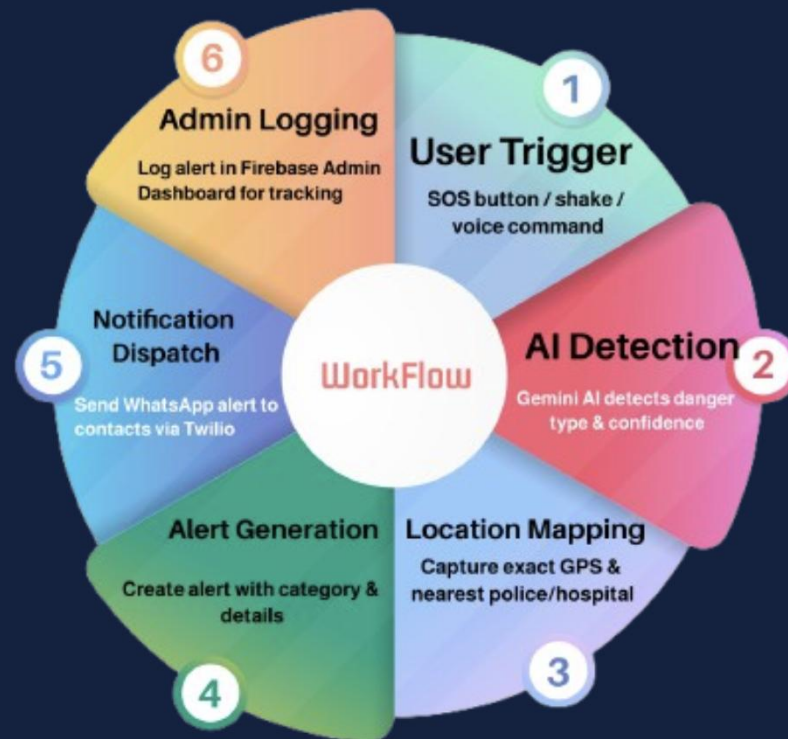


# Problem Statement

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

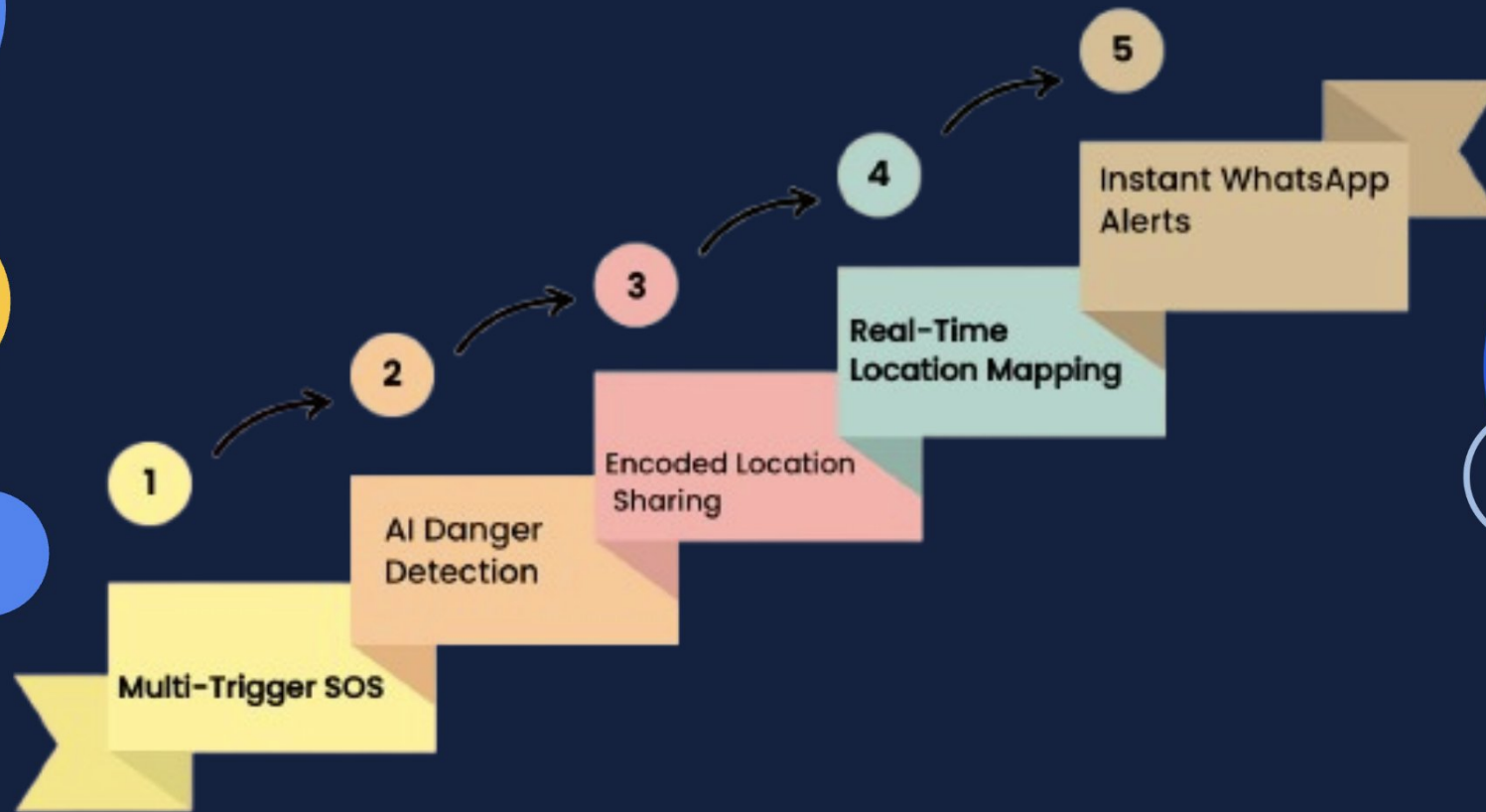
Real-time tracking, filtering by category, and status updates

Visual map pins and alert animations for better UX

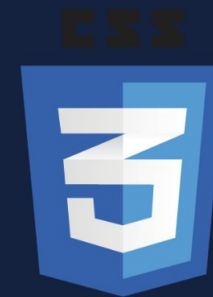
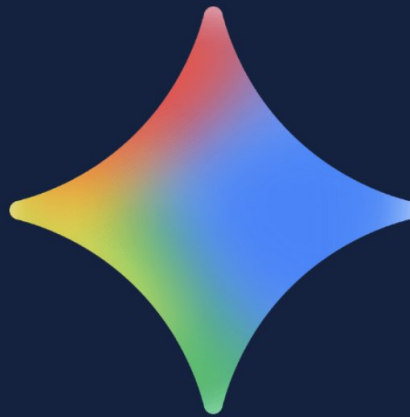
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# Features



# 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.

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# Demo




## Welcome to Guardian AI

Sign in to continue


 Continue with Google

OR

Email


 you@example.com

Password

 .....

Sign in

[Forgot password?](#) [Need an account? Sign up](#)

**AI Guardian**  
Emergency Monitoring System

DASHBOARD

- Monitor
- Alert History
- Emergency Contacts
- Settings


SYSTEM STATUS


- AI System Online
- WhatsApp Connected
- Location Services

Powered by Gemini AI


## Emergency Monitoring

Real-time AI-powered danger detection system

 Alerts sent to 2 contact(s)

**Input Monitor**


please .....i am facing some problem

 Voice Input

Latitude19.107948775870625

Longitude72.83751296496541


Analyze for Danger


**Current Location**


Latitude:19.107949

Longitude:72.837513

Update Location

**Emergency Contacts**

 John Doe family


 Emergency Services emergency\_service

**System Status**

AI Detection Online

Location Services Acti

Edit with Base44

**Analysis Results**

Danger Status


Category


DANGER DETECTED

Distress Language

## Emergency Contacts


Manage your emergency notification contacts

 Add Contact

**John Doe**  
+918766028985

family high priority

Receiving alerts

**Emergency Services**  
+911008

emergency\_service high priority

Receiving alerts

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# Links

Deployed URL\*:

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

\*Optional

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THANK  
YOU

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