



SafeCityAI: Predicting Accidents, Saving Lives

An AI-Powered Platform for Accident Prevention in Bangalore.

Presented by Aditya Ranjan

A by ADITYA RANJAN

Bangalore's Urban Accident Crisis

Bangalore faces a high rate of road accidents.

Over 4,500 accidents occurred in 2023.

This results in traffic congestion and significant economic costs, reactive systems don't work.



SafeCityAI: A Proactive Solution



Real-time Data Analysis

Weather, traffic, road conditions analyzed.



Predictive Modeling

Identifies high-risk zones and times using AI.



Actionable Insights

Alerts authorities, manages traffic flow.

An integrated AI platform predicts and prevents accidents. The platform provides actionable insights.



Technology & Data Integration

Historical Data

ML algorithms trained on 10 years of accident data.

Real-time Weather

Data from Karnataka State Natural Disaster Monitoring Centre (KSNDMC).

Traffic Data

Sensor network from Bangalore Traffic Police at 500+ intersections.

Road Conditions

Integration with Google Maps API.

The platform achieved 85% accuracy in trials. AI drives SafeCityAI.

Key Features & Functionality



Predictive Alerts



Traffic Management

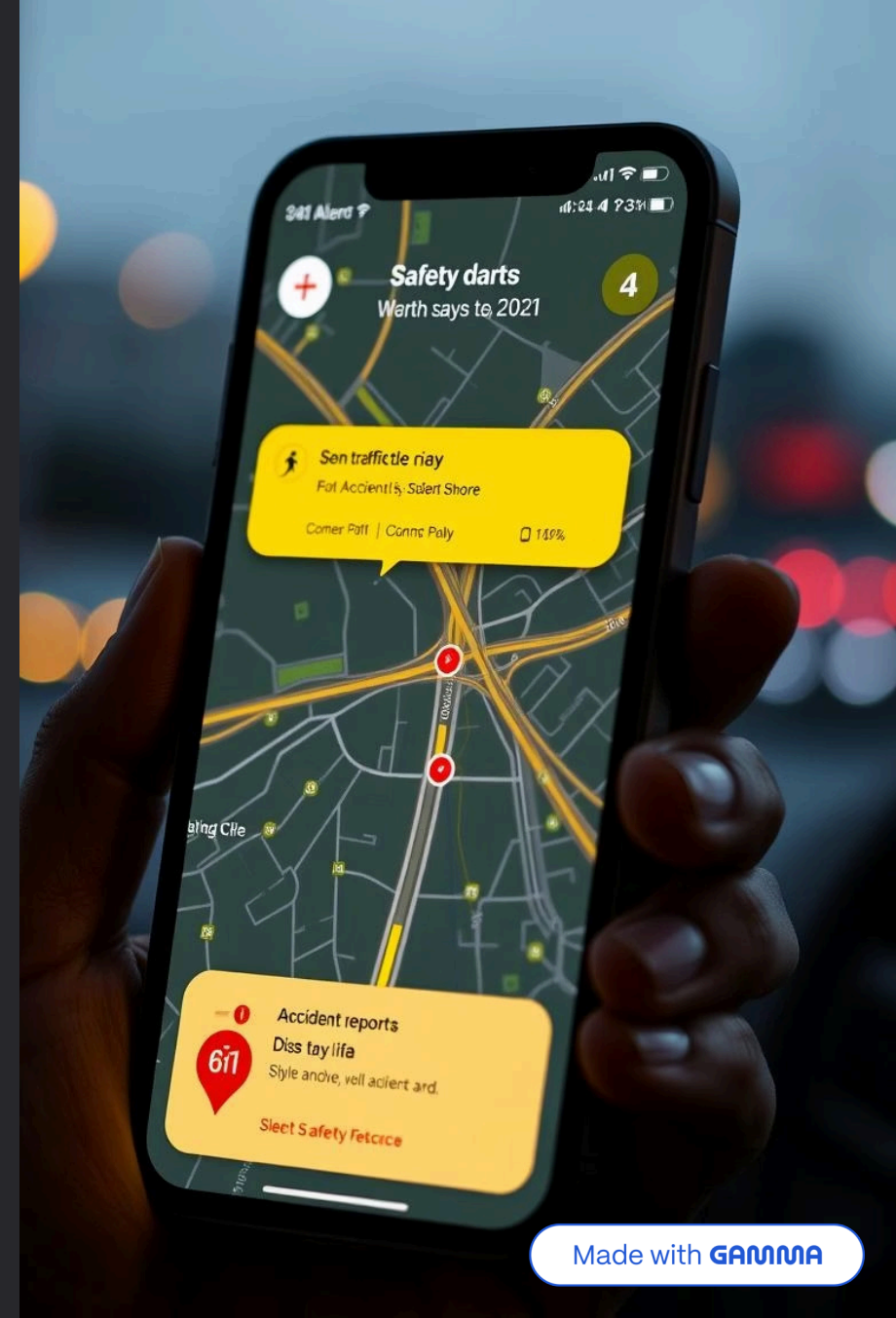


Risk Zone ID



Data Insights

SafeCityAI delivers real-time notifications, optimizes signal timings, and maps accident hotspots. Citizens can report hazards through a mobile app. Data analytics for policy making.



Implementation & Pilot Program

1

Phase 1

Pilot in Outer Ring Road.

2

Collaboration

Traffic Police and BBMP.

3

Timeline

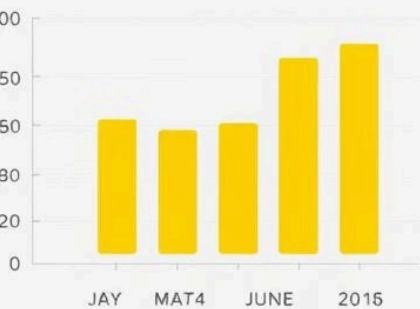
6 months setup & testing.

Designed for city-wide deployment, SafeCityAi aims to reduce accidents and improve traffic flow.



Traffic Safety Improvements

Accident after before, months



after 1702 Juytes

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of the traffic after measures



Traffic clear traffic types



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injures - injuries
before - Sill.gecember



traffic a pedestrian in Jesiens.



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to:
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July to Ispeed



Expected Impact & Benefits

30%

Accident Reduction

\$Z...

Cost Savings

X%

Traffic Improvement

Projected benefits include improved public safety and data-driven insights for infrastructure planning. A safer city for all.

SafeCityAI Features



Weather Updates

Real-time weather data integration for accurate risk assessment.



Accident-Prone Zone Updates

Predictive modeling identifies high-risk zones and times.



AI Surveillance of Accidents

AI-powered surveillance for rapid accident detection and analysis.



ML Routing

Machine learning for optimized routing, avoiding accident zones.

SafeCityAI combines real-time data analysis, predictive modeling, and actionable insights to prevent accidents and improve traffic flow in Bangalore.