

Google Cloud

PRESENTS

Agentic AI Day

Build the next generation of intelligent agents

Powered by **H2S**
HACK2SKILL

Team Details

- a. **Team name:** Neuro5
- b. **Team leader name:** Rohit Sandip Ratnaparkhi
- c. **Problem statement :** Improving Safety at Large Public Events

Real-Time Crowd Monitoring

- **Drone & CCTV** feeds
- Crowd **density** tracking
- Movement flow detection

Predict Bottlenecks Early

- **Early** warning alerts (10–15 mins)
- **Velocity & direction** analysis
- Uses **Vertex AI** Forecasting

Smart Resource Dispatch

- **GPS-based** team tracking
- Fastest **Google Maps** route
- Auto **alert** response



Built with Google AI

- **Gemini** for smart insights
- Google Maps for routing
- **Firebase** Studio for UI

Advanced Safety Features

- **AI Lost & Found** system
- **Crowd** Sentiment analysis
- Auto drone dispatch

Anomaly Detection Engine

- Detects **fire/smoke**
- Spots **Suspicious** Activities
- **Instant** critical alerts

Opportunities

How Drishti is Different

Prediction, Not Just Detection



Drishti uses AI to predict crowd jams 15–20 minutes before they happen.

Automatic Incident Response



Sends help instantly when an issue is detected no need to wait for manual decisions.

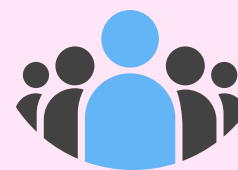
AI-powered Lost & Found



Uses photos and live videos to find lost people or items in the crowd.

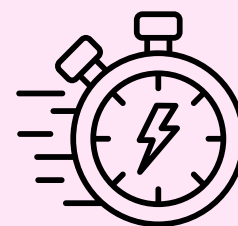
How It Solves the Problem

Manages Crowd Flow



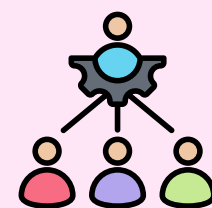
Shows safer routes to guide people away from danger and prevent panic.

Fast Emergency Response



Finds the nearest team and guides them using live google maps.

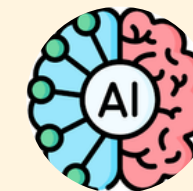
Improves Team Coordination



Keeps control room and field teams in sync with real-time updates.

What Makes It Special (USP)

Powered by Google AI



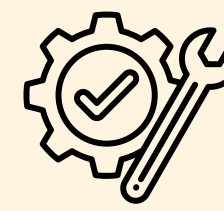
Uses smart AI from Vertex, Gemini, and Google for better performance.

Firebase Studio Live Dashboard



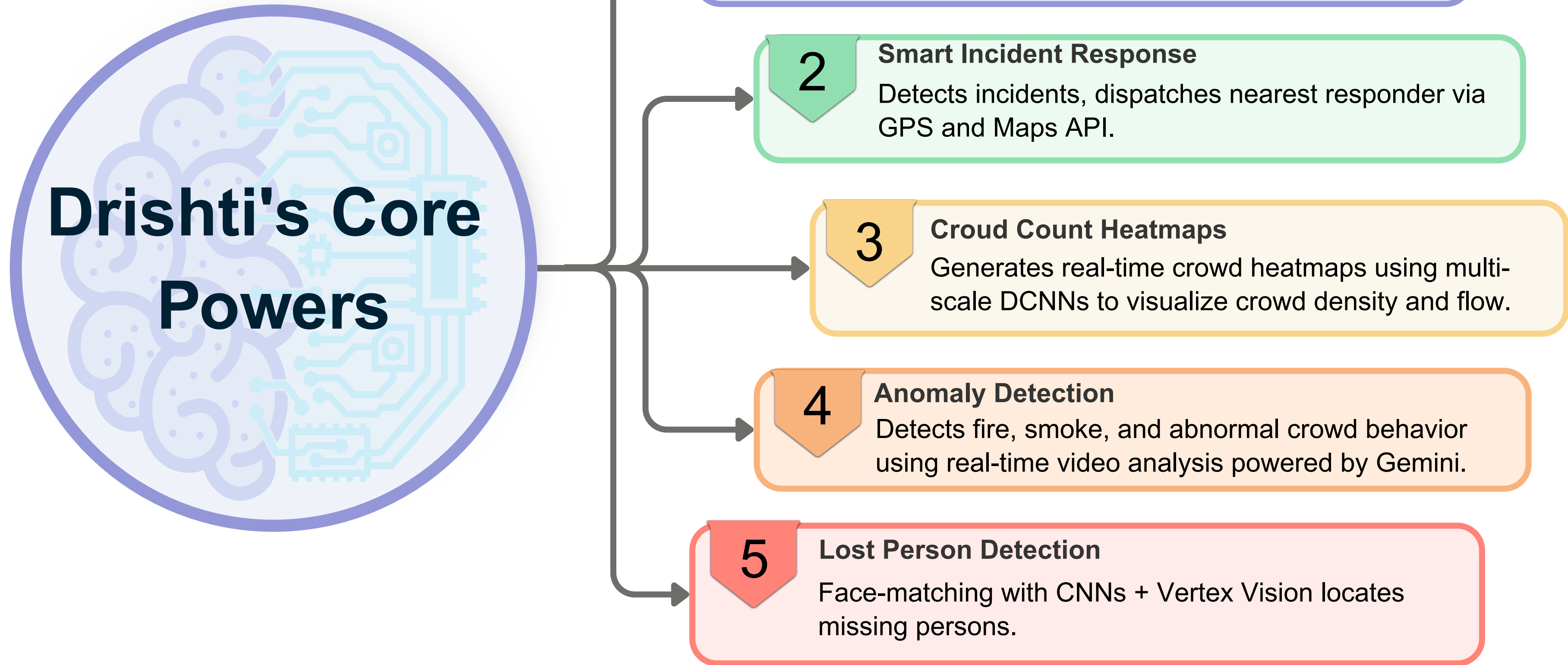
Has a real-time control panel showing alerts, team movement, and video.

Modular and Extensible

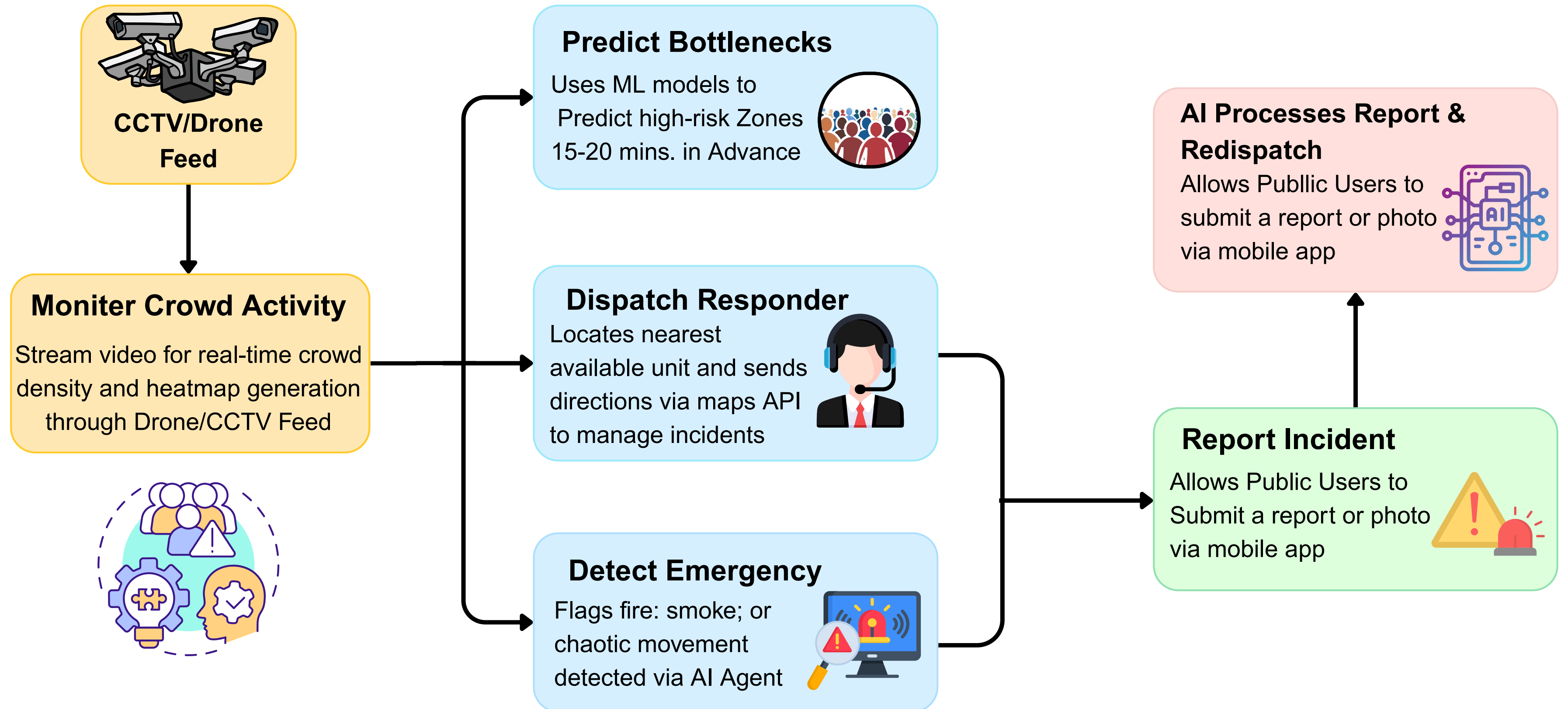


Each component can be customized or extended for different event types

Features of the Solution



Process Flow Diagram



Technologies to be used in the solution

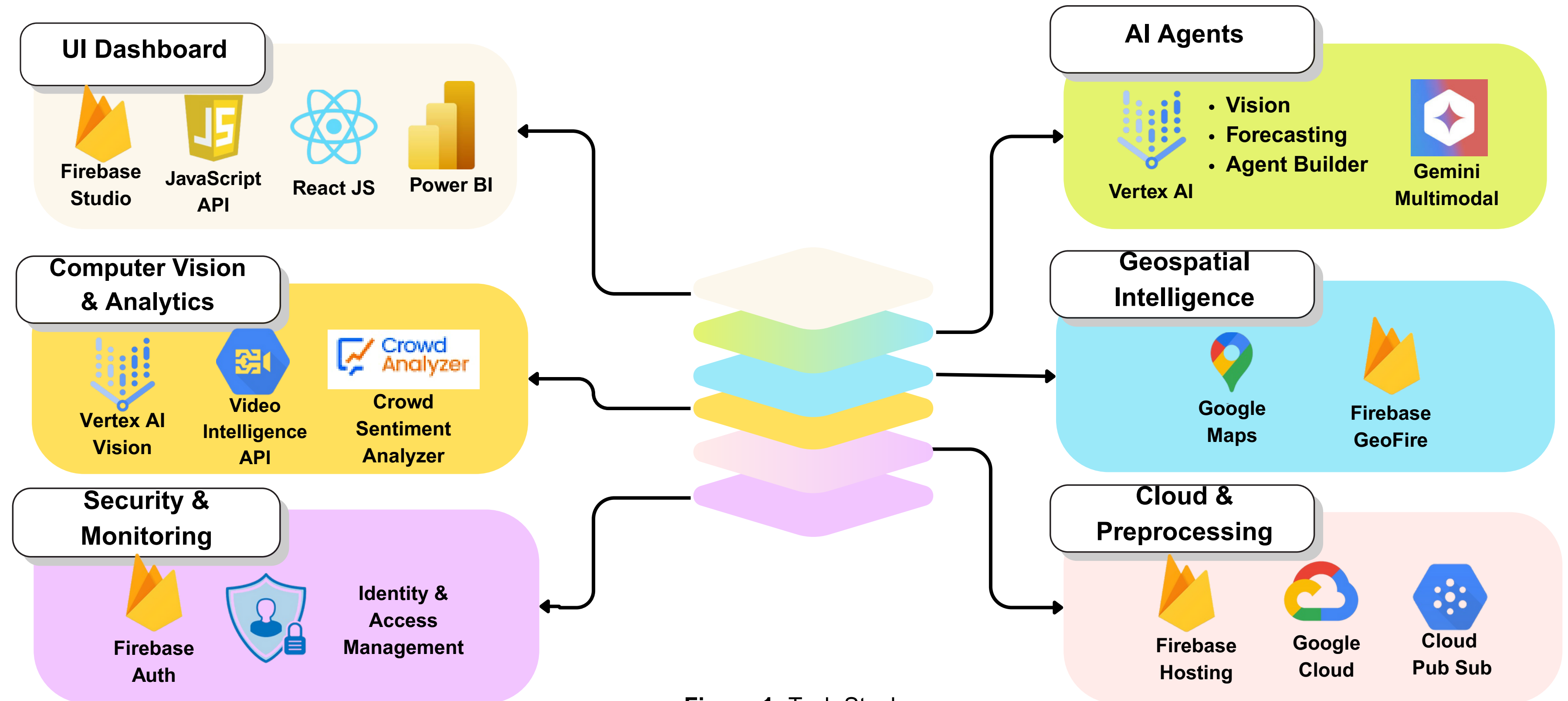
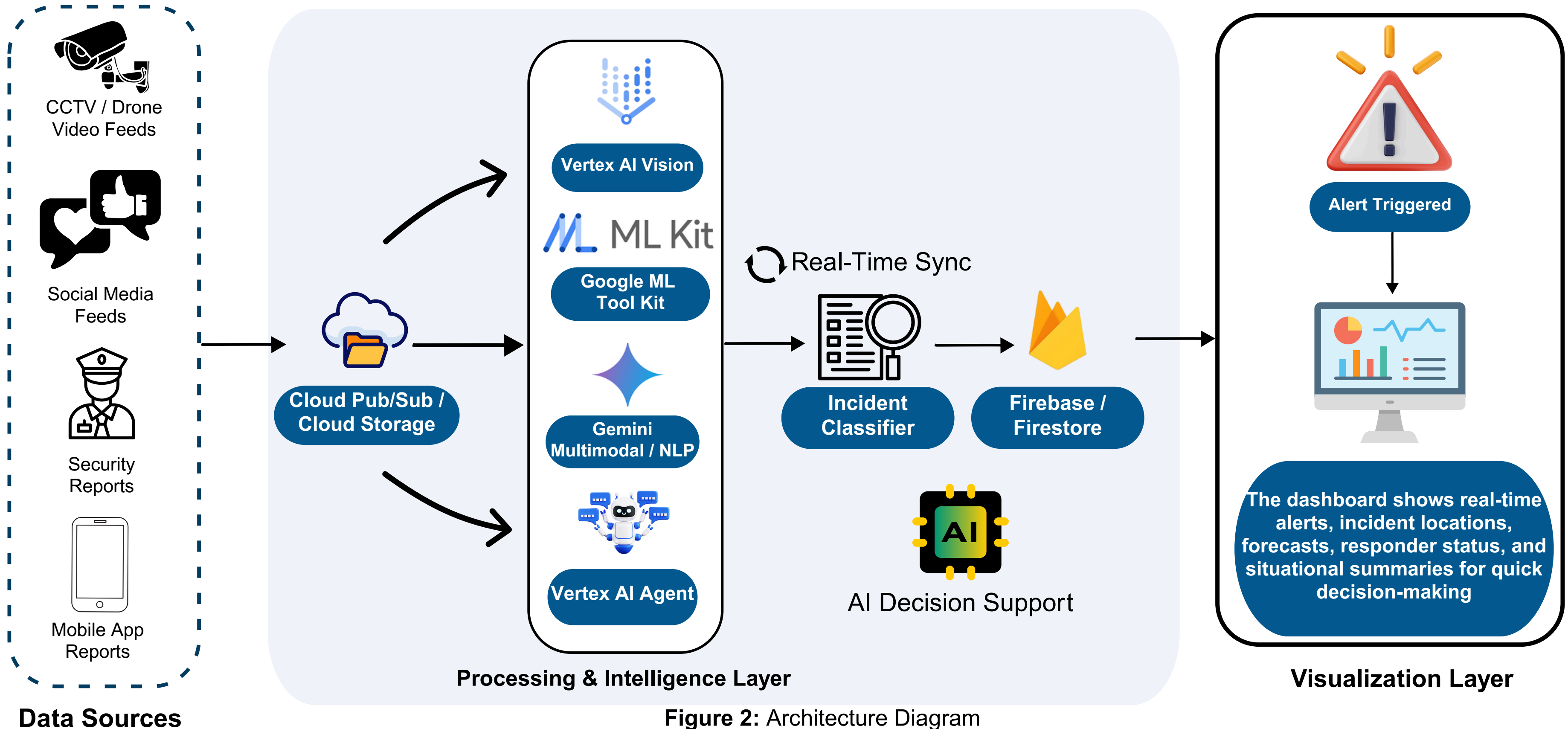
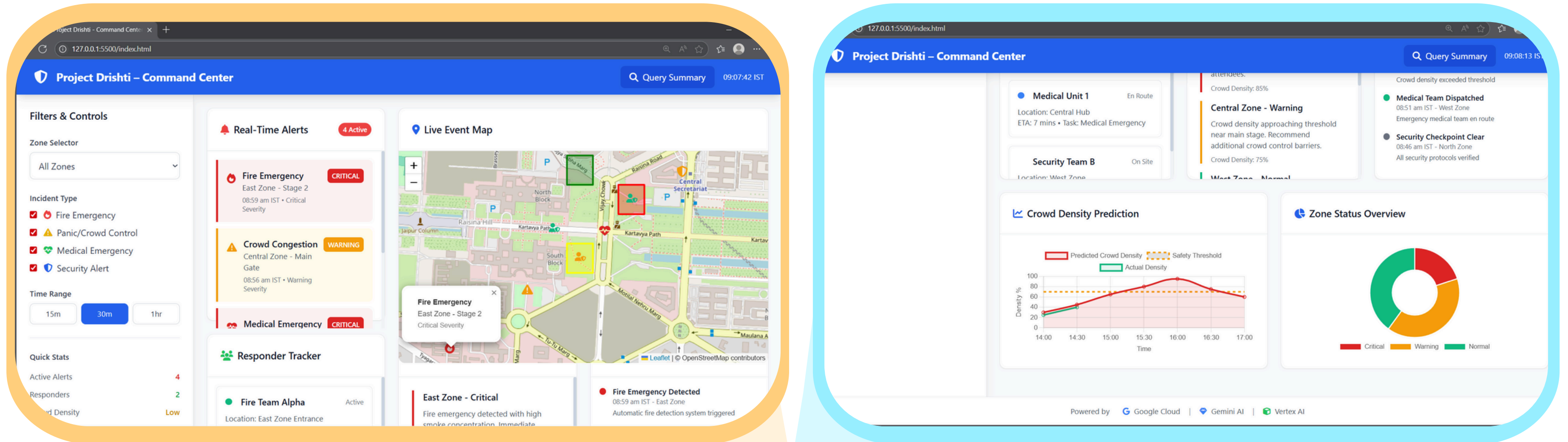


Figure 1: Tech Stack

Architecture diagram of the proposed solution



Mock diagrams of the proposed solution:



- Interactive **live event** map
- Active alerts: **fire, medical, crowd**
- **Real-time** incident locations
- Quick **situational** overview



- Live responder **status + ETA**
- **Emergency** Type Proportion
- **Zone Coverage** Monitor
- **Crowd Density** Trend Graph

Figure 3: Dashboard View

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Thank you!