
KAMAGH

Problem Statement

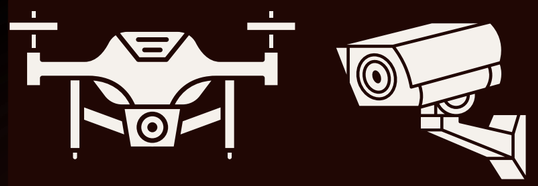
- Public safety in crowded areas is a challenge.
- Traditional methods fall short in predicting riots.
- Authorities are reactive, not proactive.
- AI-Enhanced Riot Prediction with CCTV is promising.
- Challenges include data integration, privacy, and hardware.
- Effective implementation requires addressing these challenges.

Kavach in India

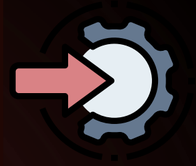
Stay ahead of Chaos

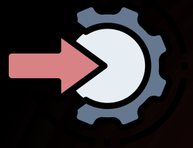
Introducing Kavach, an advanced AI-powered Riot Prediction system tailored for the unique challenges of crowd management in public areas across India.

WorkFlow



INPUT

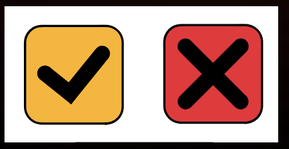




OUTPUT

DECISION POINT

ANALYTICS REPORT



NOTIFICATION ?

UNIQUE SELLING PROPOSITION (USP)

HOLISTIC THREAT DETECTION

Kavach offers comprehensive threat detection, including weapons, aggressive postures, sentiment analysis of visual content, fire-smoke, and stone-stick detection, providing an all-encompassing security solution.

REAL-TIME COLOR-CODED ALERTS

The system instantly categorizes crowd situations with a green/yellow/red code, enabling quick and intuitive response measures.

EFFICIENCY OPTIMIZATION

Reduces the need for extensive human surveillance by leveraging AI for timely threat detection, streamlining security operations and minimizing response times.

CUSTOMIZABLE FOR DIVERSE SETTINGS

Adaptable to various environments, from public events to critical infrastructure, making Kavach suitable for a wide range of applications.

PRIVACY-FOCUSED TECHNOLOGY

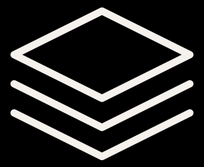
Kavach ensures individual privacy by focusing on threat prediction without constant surveillance, addressing concerns related to privacy and data protection.

BENEFITS

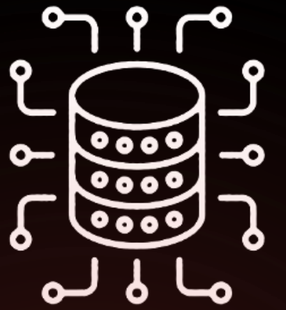
1. **Preventive Intervention (Early Detection)**
2. Enhanced Public Safety (Real-time Crowd tracking)
3. Optimized Resource Allocation (Reduces human surveillance)
4. Public Confidence (Minimized Damage)
5. Scalability and Adaptability (Small to large public gatherings)
6. Reduced Response Time (Swift notifications and location identification)

Tech Stack

CCTV Cameras



DATA FUSION



Data Storage

Real-time Processing

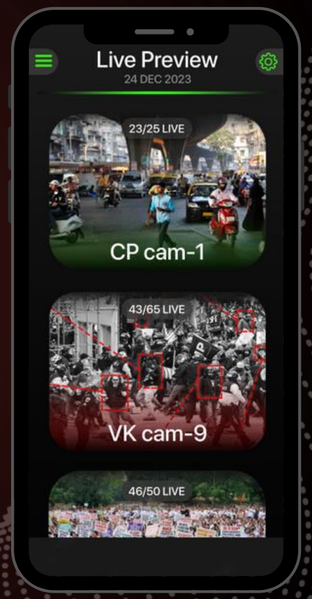
COMPUTER VISION

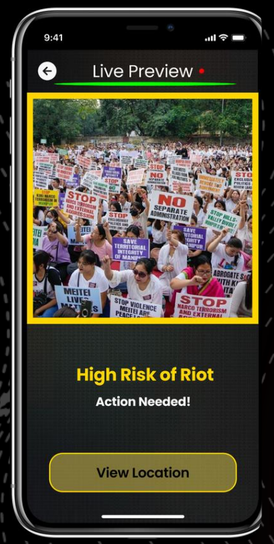
Alerting System

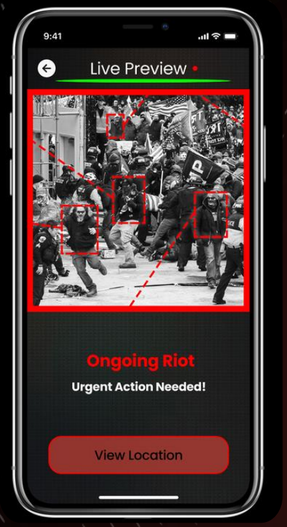
Machine Learning
& Deep Learning

ML Model Deployment

Presenting “KAVACH”







REVENUE MODEL

Public Protests and Demonstrations

Security for VIP Movements

Politician Speeches and Rallies

City Surveillance During Events

AIRPORTS

BUS

TRAIN

Public Transportation Hubs

Critical Infrastructure Protection

Target Audience : Government