



Reckon 5.0



CRIME LOGGER

Crime Logger
TRACKING CRIME, SECURING COMMUNITIES



01

Project Overview

02

Solution

03

Innovation

04

Future Vision

05

Our Team



PROJECT OVERVIEW

Map particular zones where a specific crime is more widespread. The solution should classify crimes into categories and create a multi-colored zonal mapping to emphasize the type of most committed crime. Additionally, it should map police station areas and integrate with the Crime and Criminal Tracking Network & Systems (CCTNS) for seamless data alignment.



Inefficient Resource Allocation

Current systems may not allocate police resources optimally due to a lack of detailed, localized crime data, leading to inefficiencies in addressing crime hotspots.



Limited Predictive Policing Capabilities

Traditional crime analysis methods might lack the sophistication to predict crime trends effectively, hindering proactive crime prevention strategies.



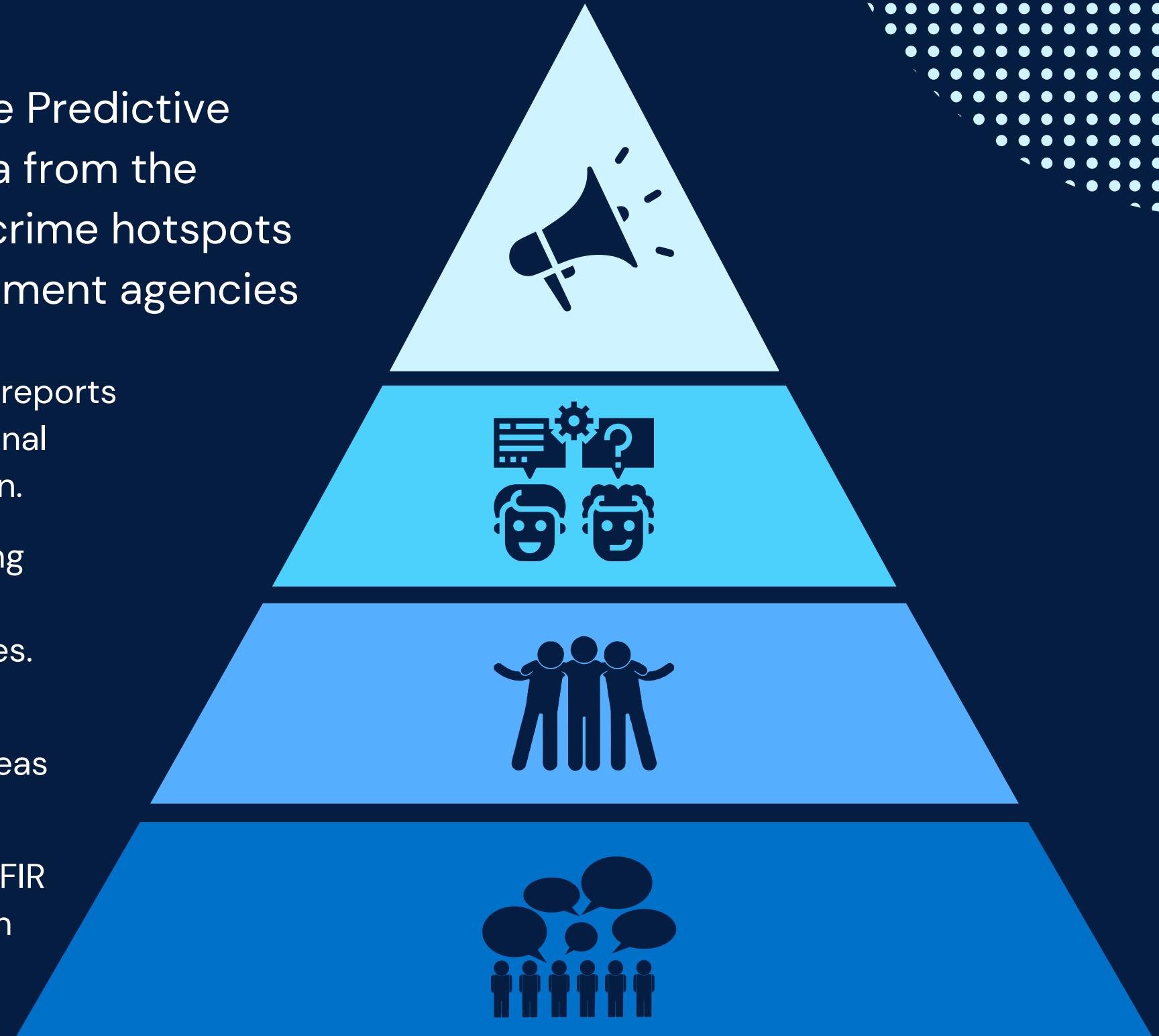
Lack of Public Transparency

The absence of accessible and comprehensible crime data for the public can lead to reduced trust and engagement between communities and law enforcement agencies.

SOLUTION

Our proposed solution aims to develop a Crime Predictive Model for Hotspot Mapping that leverages data from the CCTNS and other relevant sources to identify crime hotspots and provide actionable insights for law enforcement agencies

- 01** Smart contracts will automatically categorize crime reports into types like theft or vandalism, and update the zonal mapping system, ensuring efficient data organization.
- 02** Build crime prediction models using machine learning with historical data, socio-economic factors, and population density to categorize specific crime types.
- 03** Use geospatial analysis to map crime hotspots on a map, employing multi-colored zoning to highlight areas with specific crime types.
- 04** The system will integrate with CCTNS for accessing FIR and crime data, and use data preprocessing to clean and organize this information for analysis.





INNOVATION

Blockchain Integration

Implement a blockchain system for storing and managing crime data. Smart contracts will automatically categorize crime reports into types like theft or vandalism, and update the zonal mapping system, ensuring efficient data organization.

Geospatial Mapping and Analysis

Implementing sophisticated geospatial mapping technologies to visualize crime data on digital maps. This can include heat maps, thematic maps, and interactive dashboards that allow users to understand the geographical distribution of crime.

Natural Language Processing (NLP):

Using NLP to analyze text data from police reports, news articles, and social media posts to extract relevant information about crimes, which can be used to enrich the dataset and improve prediction accuracy.

FUTURE VISION

blockchain in law enforcement becomes more prevalent, legal and regulatory frameworks may evolve to better accommodate and govern its use, addressing issues like data privacy etc.

Utilizing AI to optimize patrol routes based on predictive models, ensuring maximum coverage of high-risk areas while efficiently utilizing resources.

Sensor Integration

Legal Framework Adaptation

Community Engagement

Automated Patrol Route

Cross-Domain Data Utilization

Using IoT devices and sensors in cities for real-time data on environmental factors, crowd density, and unusual activities to predict crime.

Creating mobile or web apps for community reporting of crimes and suspicious activities, enhancing community policing.

Future versions of the blockchain-based system could integrate data from domains like social services, urban planning, and healthcare, aiding in predicting and addressing the underlying causes of crime.

OUR TEAM



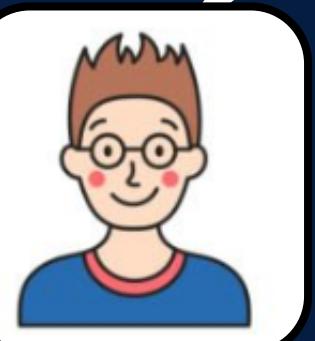
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