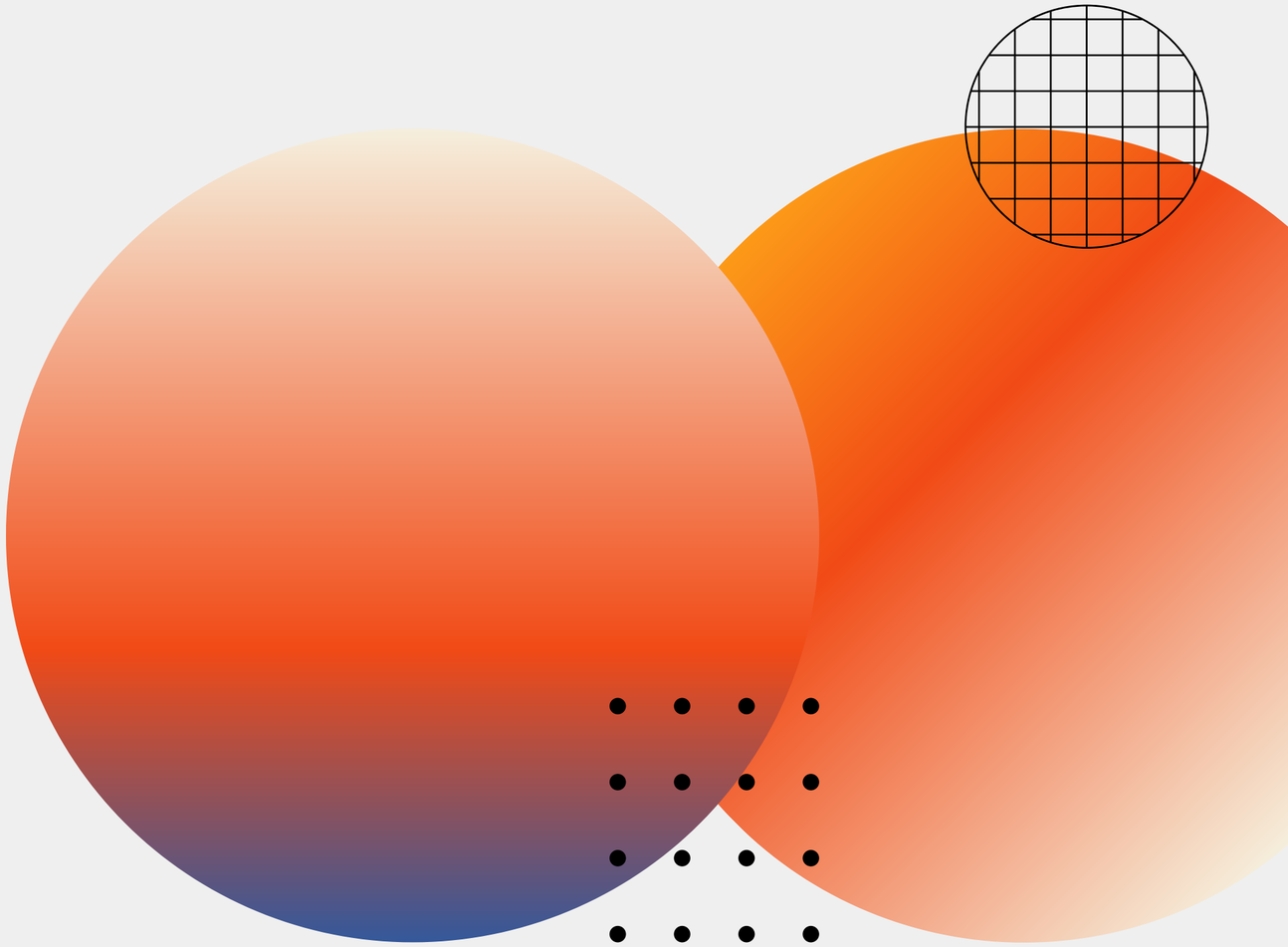
Let's Start

Drishti

~by team_Delta



Drishti

Features
How it will help
Usability
Models
Scalability
Technolgy used

Features

Easy Search for records

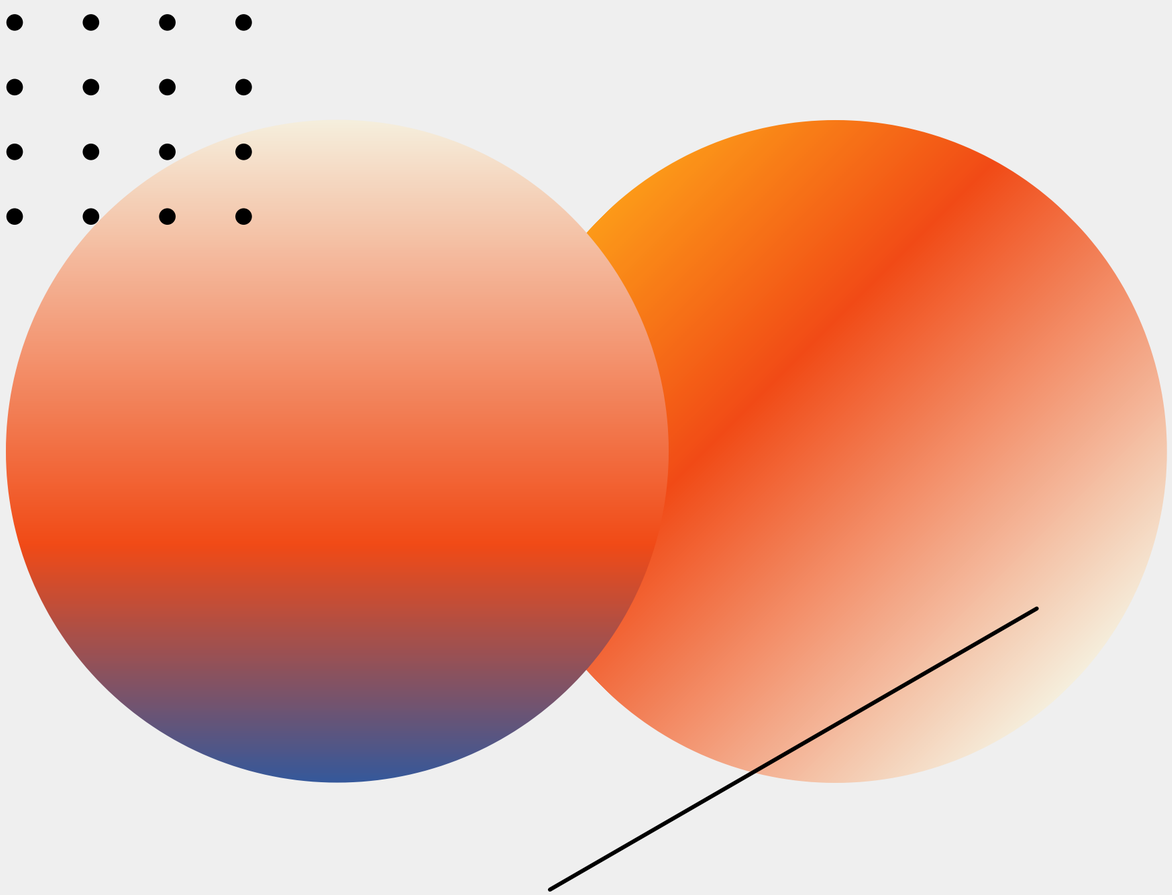
Easy and swift autoloading of data

HotSpot maps to provide types and density of crime

Voice description of the icident for record

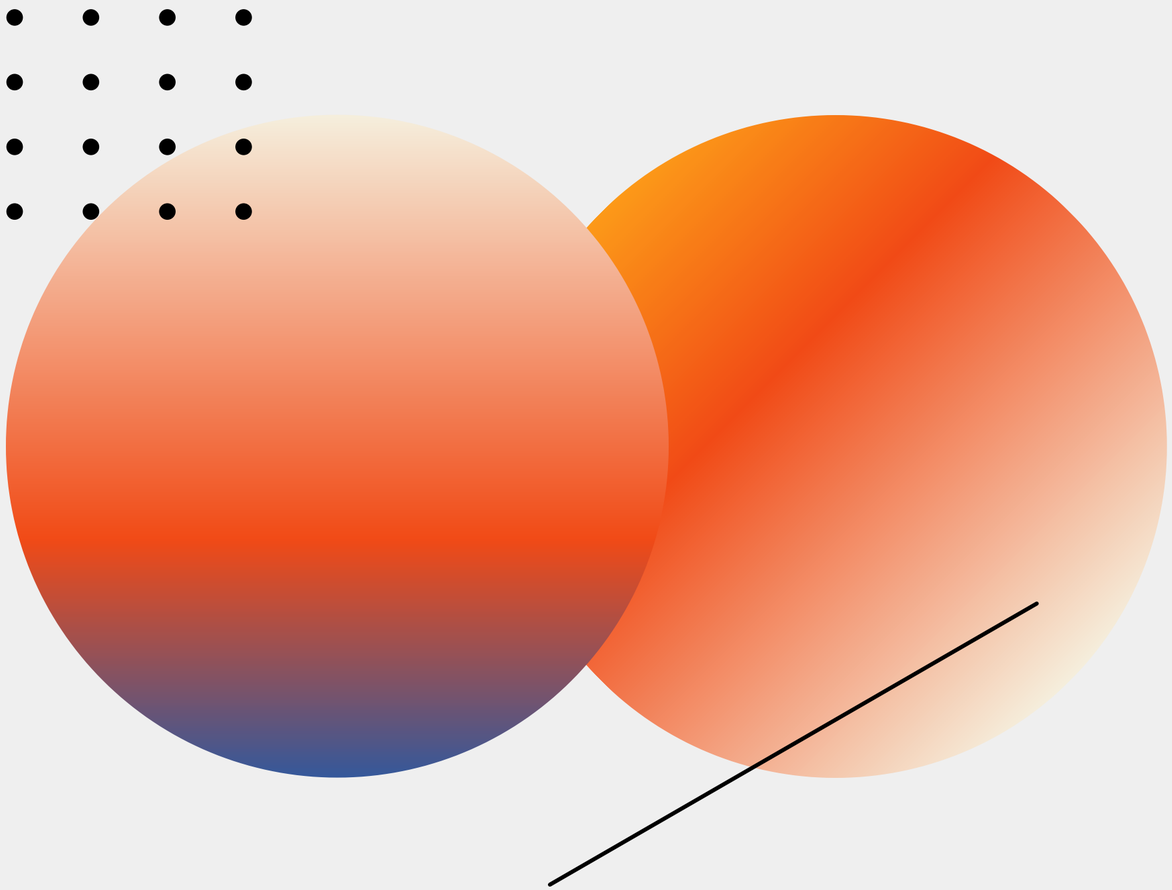
Face Recognition

Text Scrapping



How it will help?

1. A datastore of the miscreants with photo and id
2. Avoiding the small grade criminals from going unnoticed and hence leaving them unchecked
3. Paperless and seamless
4. Concentration of forces at particular locations according to hotspot map



Usability

1. Basic and clean UI with minimal requirement to manually type in the data
2. Two sperate apps for the Administrator and the users. while only the highers authorities having the permissions to delete records
3. The data sets maybe used to train models and launch targeted programmes

Scaling oportunities

Blockchain

Great scope to make it competely anti corrupt solution by securing data creation and deletion ledgers

Identification factor

A strikepoint factor can be included in the databse to make people aware and inculcate sense of responsibility

OCR

vehicle blacklisting

Technology Used

Backend

Python

FrontEnd

Java

Modules

Folium
Deepface
etc

Framewrok

Django REST

Database

MySQL

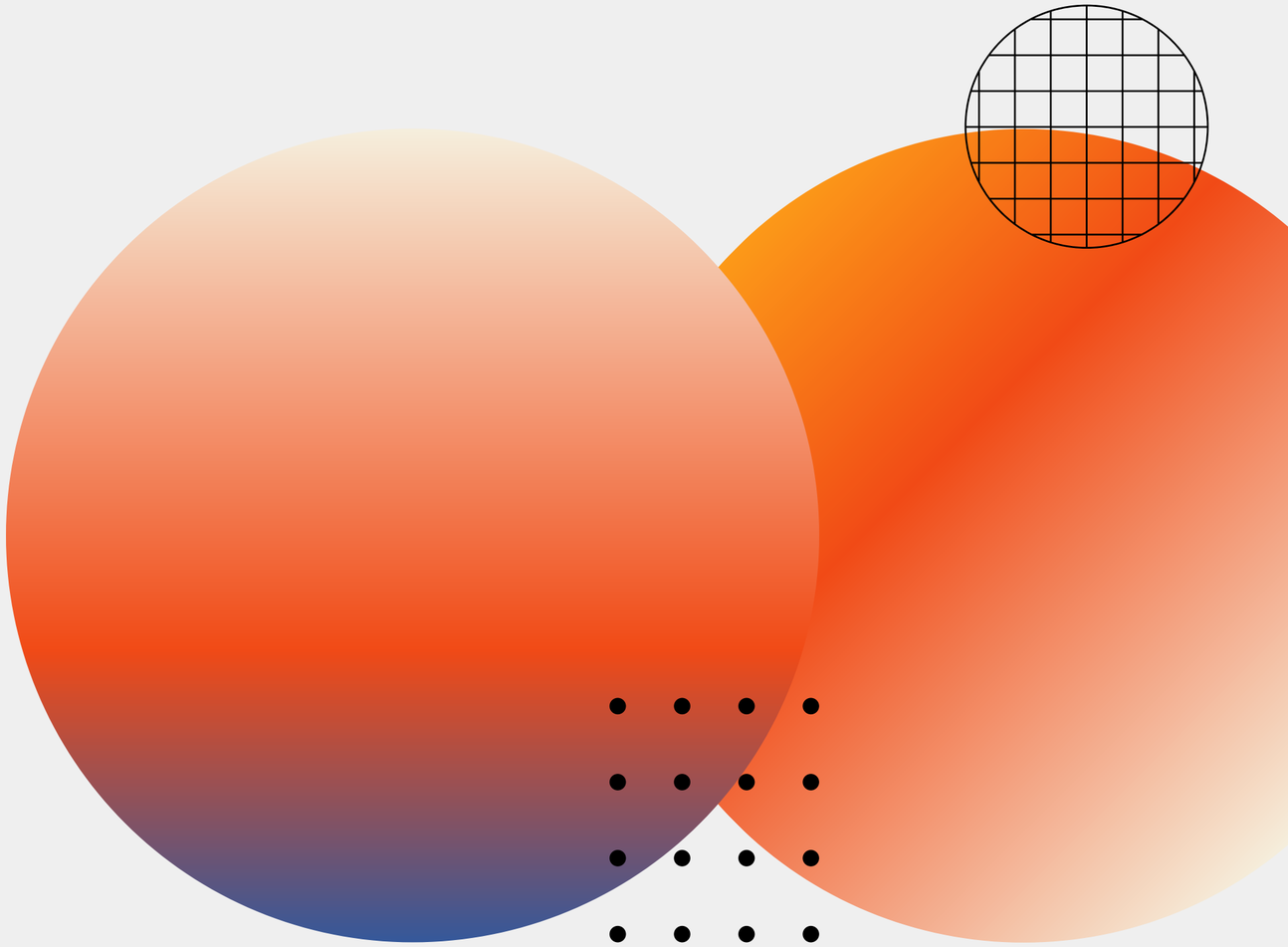
COMS

APIs

End

Thank you

Do you have any questions?



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Synopsis

01 An explanation of the problem statement

-We have identified in our societies that most of the people that go on to become greater miscreants start out young and often perform repeated crimes maybe on small scales
-These people are often known to the local police but due to small degree crimes they are often let go with warnings left with no paper trail to trace and keep track of their activity.
-If we manage to maintain a record of these people with the local police it will be as though that we have eyes on them all the while and record their activities and access their details in potential cases

02 Proposed solution to the problem statement

-**App based solution** such that whenever any person is brought into the police station for whatever reason like a fist fight, verbal abuse, potential theft suspision, rash driving etc.
-Police official shall record and store it on the data base local to area of activity of that person along with his/her details.
-Even if there is no conclusion to the case or if there is common scenario of "compromise" in the parties the details wll be still be stored for future reference.

How will this help?

-It will create fear among youngsers of getting tagged in the society
-It will help carve an identity/personality of that person repeatedly brought in and it will serve as a rich storehouse to look into if a similar case is registered in an area with unidentified suspects

03 Features of the final solution

Reliable

-have controls that will ensure accuracy and quality of records created, captured and managed
-present records in useable and readable form
-prevent unauthorised access, use, alteration, concealment, deletion, destruction or removal of records
-manage and store records for as long as they are needed

Secure

-allow setting up access and permission controls to protect records from unauthorised use, alteration, deletion or removal.
-have security controls that allow logging, monitoring and termination of access and use. The logs should be protected from tampering.

Tracking

-log, monitor and show events such as user access, additions, alterations and deletions carried out on the record, date of the action and by whom.

Search and retrieval

-provide a mechanism to identify and show records in response to search queries.

Scalibilty

-The blockchain database can be used to increase the scalibilty and trustfulness of the application.
-Blockchain has the capability to provide decentralization, immutability and owner-controlled digital assets.
-The data is stored as signed blocks, which link to each other, creating a chain of immutable interconnected data entries.

04 Reason for opting for the problem statement

-To help optimise and improve efficiency in investigation.
-The datasets will be helpful to train ml models to recognise types of crimes in relation to societies.
-Similar record systems are introduced by iceland and also some states of India which have shown positive results