REUBUS

PREDICTIVE POLICING APP

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PREDICTIVE POLICING USING BIG DATA ANALYSIS

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REUBUS APP

A software(app) that intakes F.I.R reports,accident reports,crime reports and generate key points to help to solve the case.

FEATURES:

- **Criminal predictor**
- **Crime location predictor**
- **F.I.R listing and filtering**
- **Web scrapping**

REUBUS APP

IDEA:

How it works(Criminal Predictor)

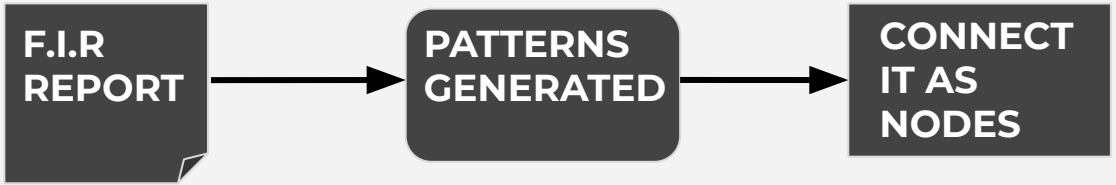
- The ML agent is trained using two datasets :

1. FIR Reports
2. Persons involved in the incident

- The ML agent is able to recognize patterns in the FIR reports and points them to a person.
- when new F.I.R are given it will spit out :
    1. Who can have done the crime (based on the dataset of convicts we have)
    2. What can the convict do next (Pattern generation)
    3. A person the police can consult with that have experience doing the crime
- Further it will generate the reports.

FUNCTIONALITIES

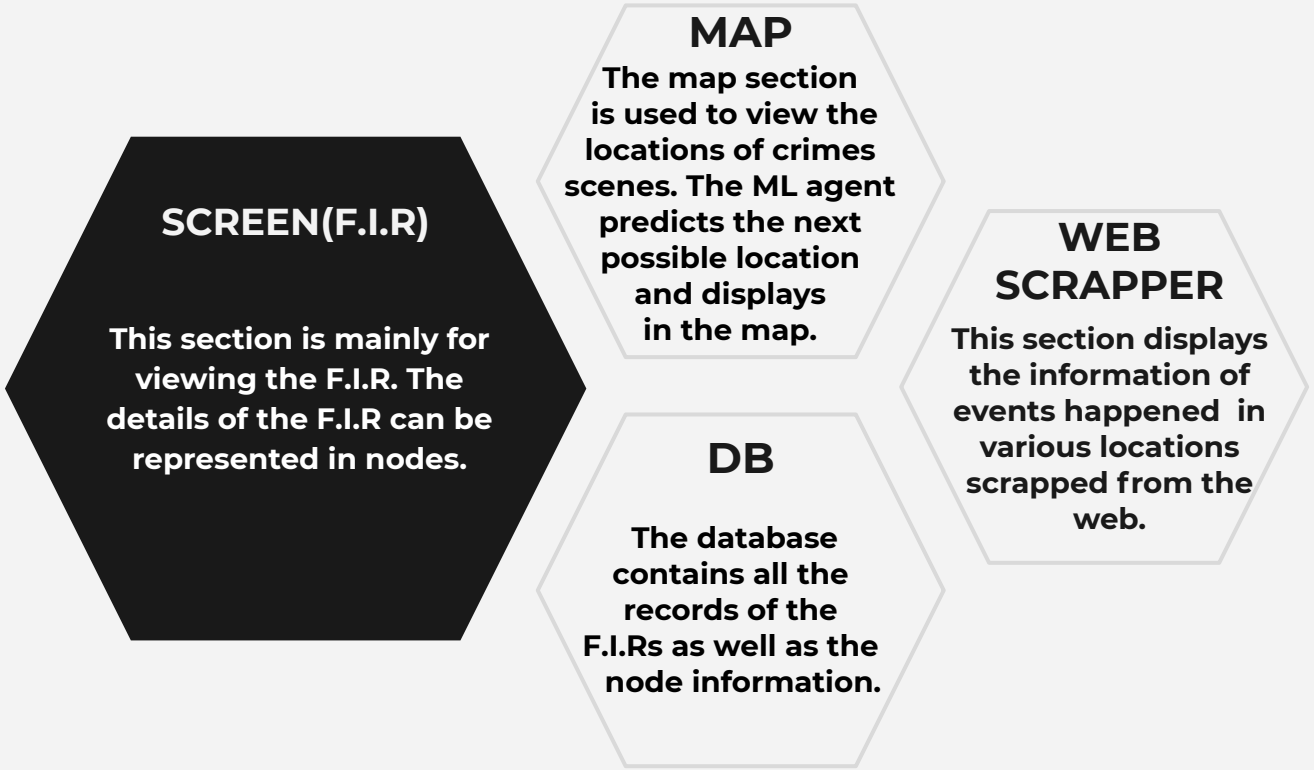
- Use nodes as core concept



Eg: Alcoholic → Murder → Theft → Main node ← Destruction of properties

Main node → convict

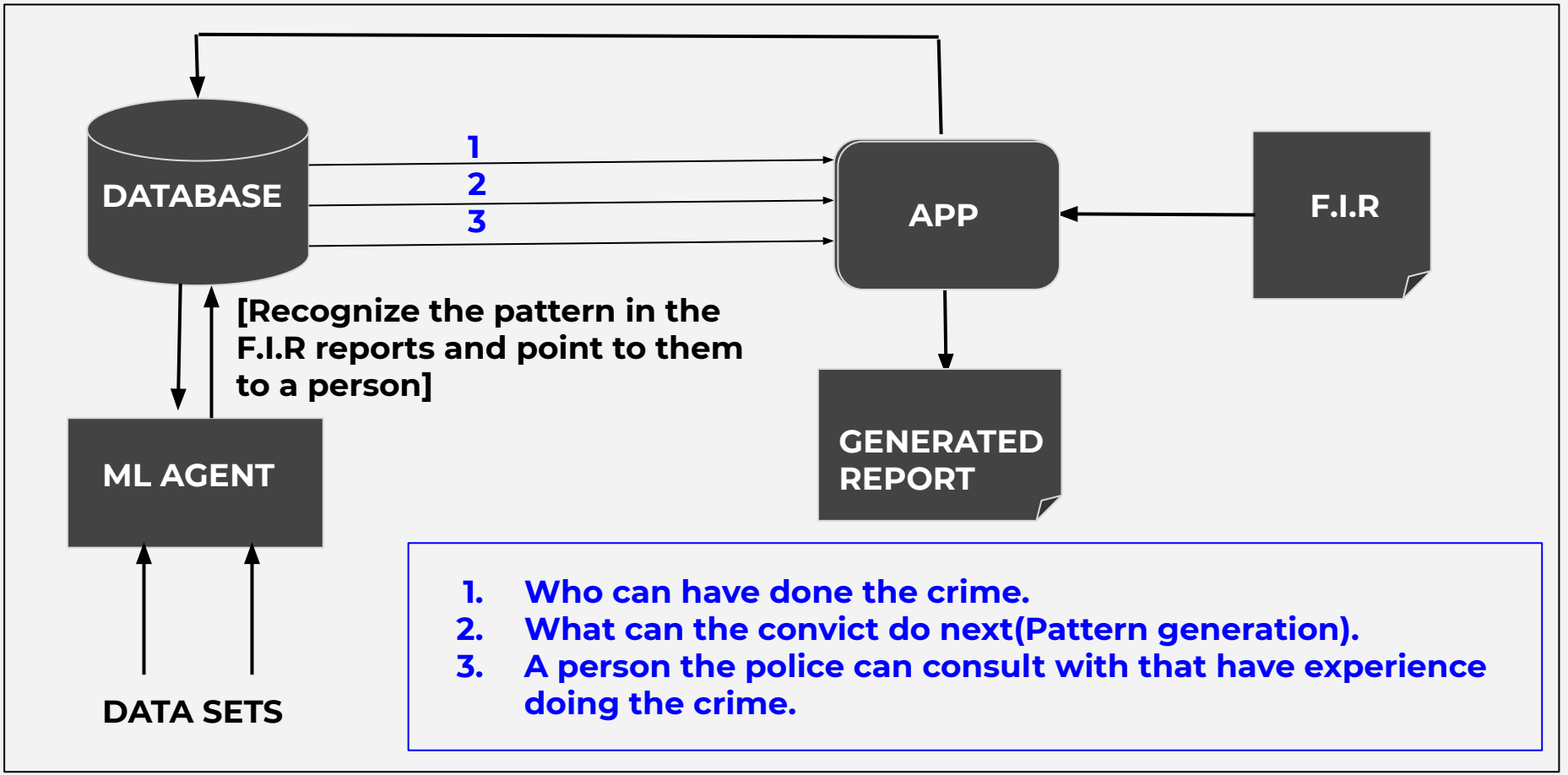
FOUR MODULES



03

FLOW DIAGRAMS

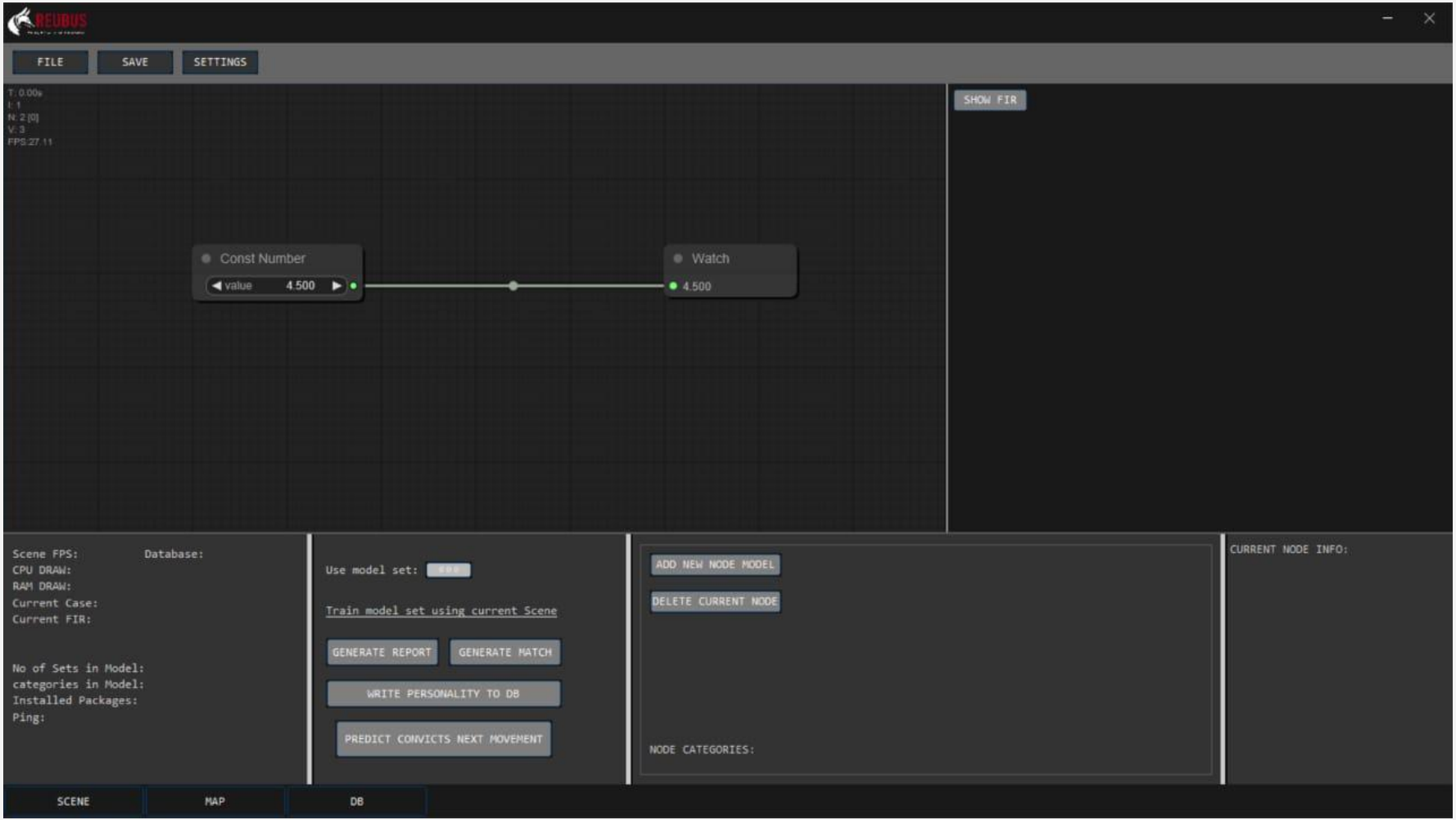
BASIC DIAGRAM



1. Who can have done the crime.
2. What can the convict do next(Pattern generation).
3. A person the police can consult with that have experience doing the crime.

04

SCREENSHOTS AND GRAPHS


REUBUS
FILE
SAVE
SETTINGS
T: 0.00s
I: 1
N: 2 [0]
V: 3
FPS:27.11
SHOW FIR
Const Number
value 4.500
Watch
4.500
Scene FPS:
Database:
CPU DRAW:
RAM DRAW:
Current Case:
Current FIR:
No of Sets in Model:
categories in Model:
Installed Packages:
Ping:
Use model set:
Train model set using current Scene
GENERATE REPORT
GENERATE MATCH
WRITE PERSONALITY TO DB
PREDICT CONVICTS NEXT MOVEMENT
ADD NEW NODE MODEL
DELETE CURRENT NODE
NODE CATEGORIES:
CURRENT NODE INFO:
SCENE
MAP
DB

file Save SETTINGS

SEARCH ID:

Crime ID	latitude	Longitude

CRIME ID: TIME:

LATITUDE: NEAREST CRIMEID:

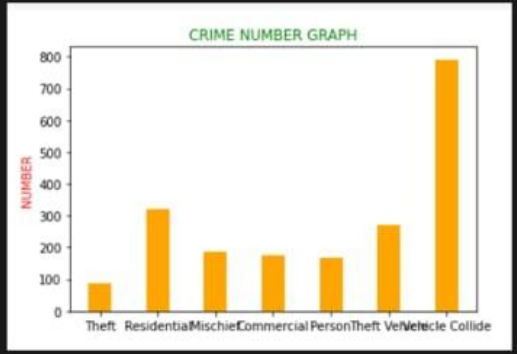
LONGITUDE:

OPEN FIR: ...

GRAPHS

GRAPH TYPE: GRAPH STYLE:

GRAPH DATE-RANGE:



GRAPH HIHEST: GRAPH LOWEST :

GRAPH MEAN :

Database:
CPU DRAW:
RAM DRAW:
Current Case:
Current FIR:

No of sets in Model:
Catogeries in model:
Installed packages:
Ping:

Use model set: Opened file

Include changes to dataset and Redraw

Calculate and Draw Predicted
Target Based on Pattern : START

Generate Report REDRAW MAP

CLEAR MAP SHOW SUGGESTIONS

LOAD PATTERN BASED ON:

TIME RANGE:

LAT/LONG RANGE:

CONVICT ID:

CONVICT PARAM:

CRIME TYPE:

GOTO LAT: LONG:

ADDRESS:

DROP CIRCLE COLOR: ... CIRCLE

RANGE: OPACITY:

SCENE MAP DB


CRIME NUMBER GRAPH
Vehicle Collision or Pedestrian Struck (with Fatality)
Other Theft
Theft from Vehicle
Offence Against a Person
Break and Enter Commercial
Mischief
Break and Enter Residential/Other
Vehicle Collision or Pedestrian Struck (with Injury)
Theft of Vehicle
No.of cases
0
500
1000
1500
2000
2500
3000
Cities

05

CONCLUSION

THANKS