

Women Security App

This project was developed during a 24-hour hackathon (**Codeshastra 6.0**) organised by DJ Sanghvi college of Engineering. This project stood first out of 70 other projects, winning the hackathon under the team **Breaking Codes** (Soham Dave, Ansh Mehta, Harshil Zaveri and Shivam Kejriwal).

Problem Statement:

Since there are many rape cases and female trafficking in India in past few years. We've developed and designed a **Citizen-Government bond application** which works in emergency situations where a woman is unsafe.

She can report to police headquarters and at the same time can send emergency text messages to her close family members. Also includes various SOS features.

Key Features:

- Family emergency reporting based on:
 - Area
 - Photo (rear and front camera)
 - Surrounding voice note
 - Current battery & IP address.
- Get the unsafe zones prior to traveling.
- Report a complaint (If any foreseen situation occurred).
- Geotracking a user in an unsafe situation.
- Add / Remove any area from UNSAFE ZONES.
- Analyzing the SMS received at the Police Portal.
- Airdrop feature for short distance notification.

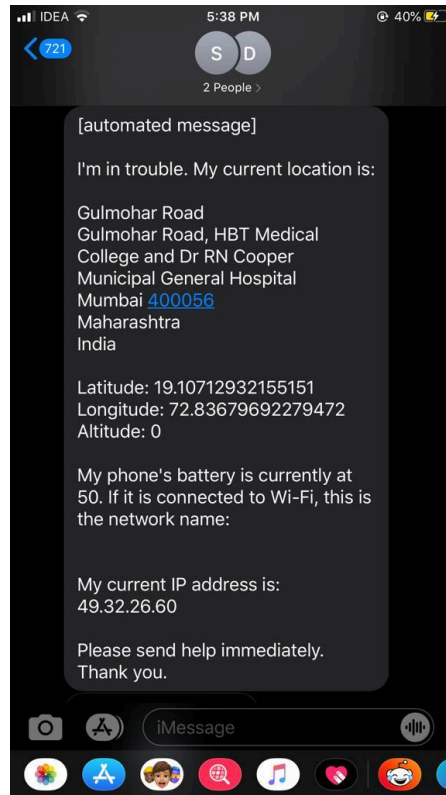
Tech Stack:

- Web Development
 - HTML, CSS, JS
 - PHP
 - Bootstrap, Ajax, JQuery
 - Datatables.js & Chart.js
- App Development
 - Android App Development
 - IOS App Development
- Database
 - Firebase

ScreenShots:

User side:

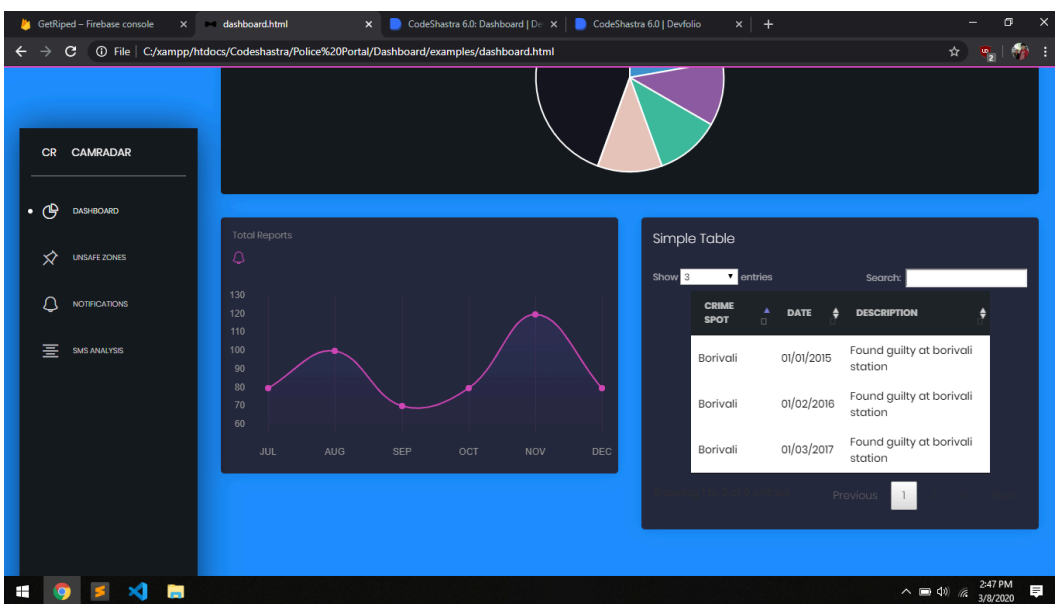
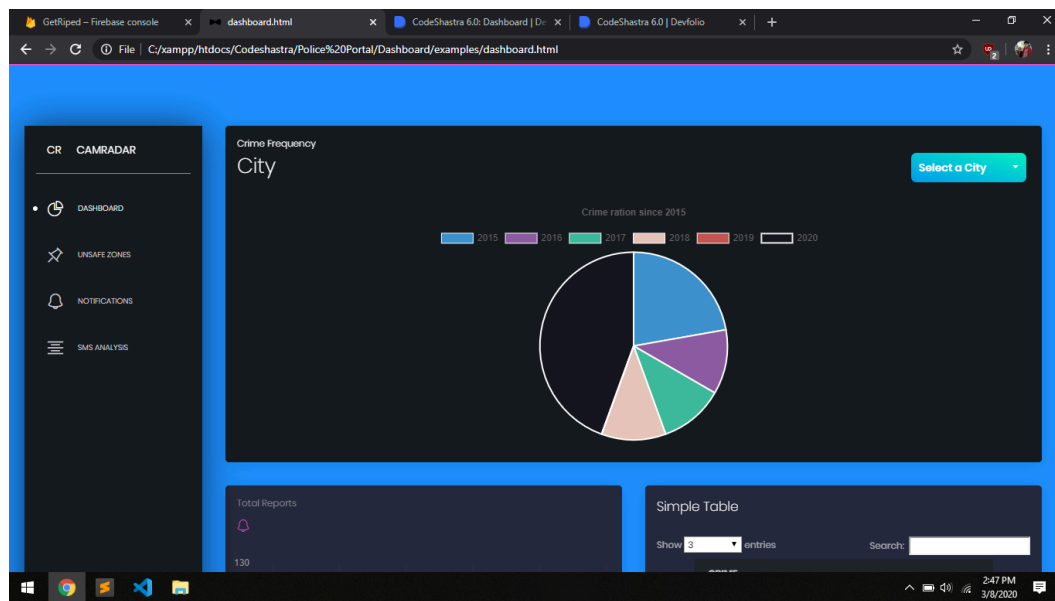
This is a dummy SMS sent from the user's device to emergency contacts and Police headquarters. Includes all necessary user information



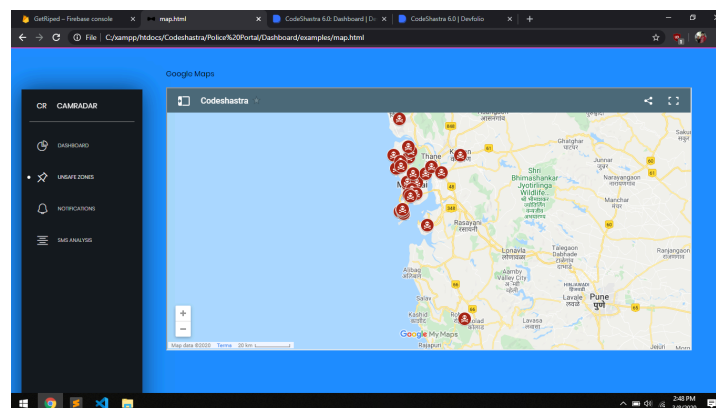
Rear camera and Front camera photos:



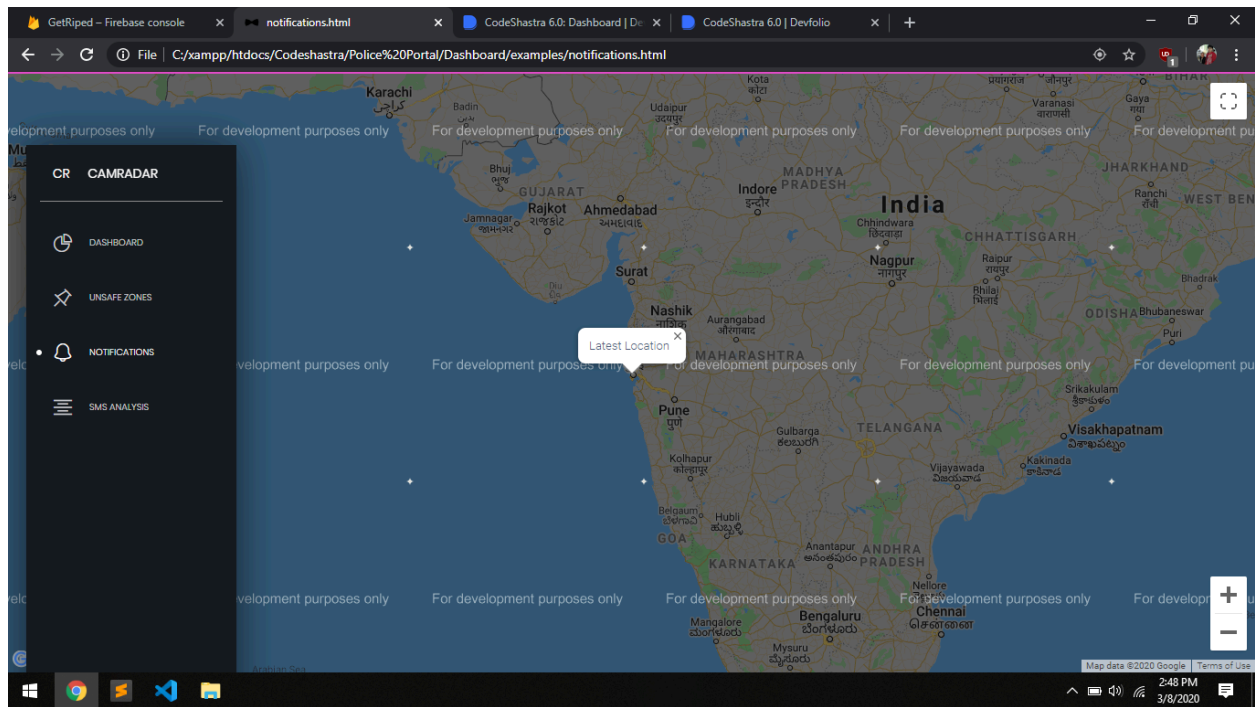
Police Portal:



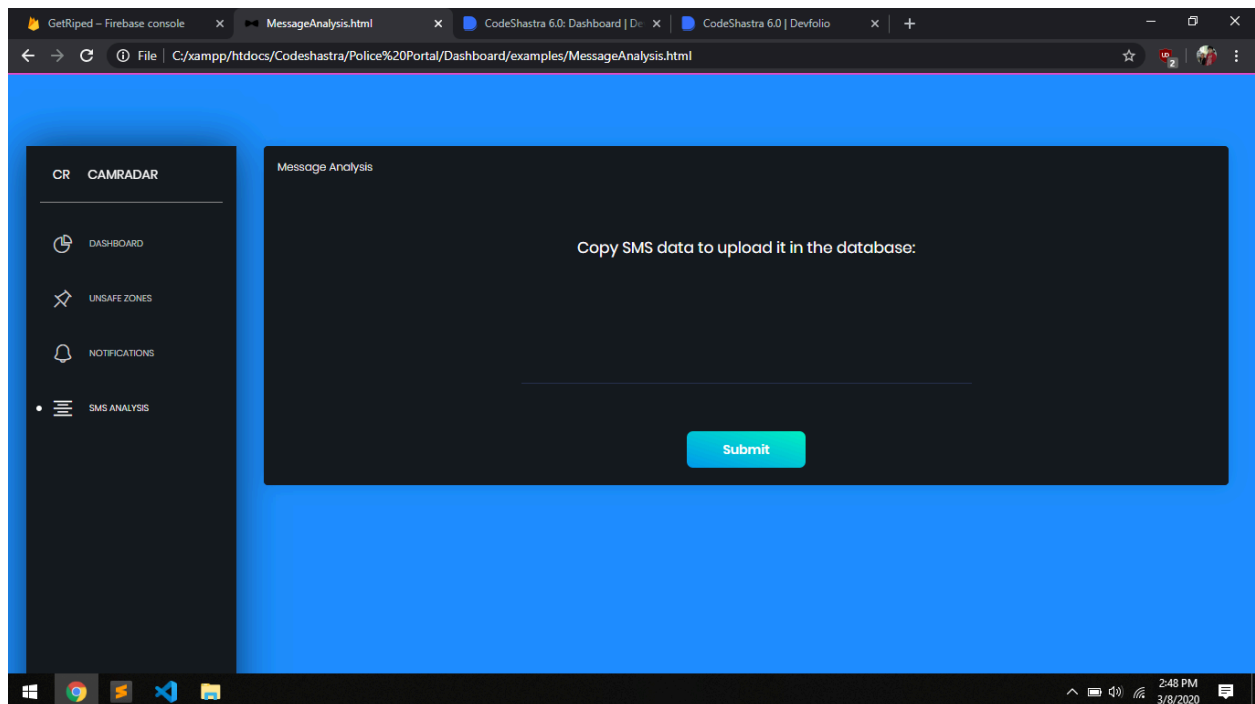
Unsafe Zones:



Live tracking:



SMS Analysis:



Future Scope:

- Provide Cluster Mesh Network tracing (when in no network zone).
- Scream Detection (SOS).
- Recognition of offenders via Face Recognition.

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