Safety Nav

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OUR AIM

Our aim is to enhance safety in San Francisco by predicting safe areas for parking. Using historical crime data and Inrix Parking API, our model empowers users with real-time insights, fostering informed decisions for a secure urban experience.

INNOVATION

Leveraging advanced predictive analytics, the project goes beyond traditional mapping applications. It doesn't just display parking spots but proactively predicts safe and unsafe areas based on crime patterns, offering users a proactive safety solution.

The project brings innovation by offering real-time decision support. Users receive immediate information about the safety status of parking locations, allowing them to adapt and choose safer options on the go.

LSTM MODEL

- **Predictive Safety Modeling:** Our LSTM model predicts safe and unsafe areas based on historical crime data, offering proactive safety insights.
- **Temporal Pattern Recognition:** LSTM excels in capturing temporal dependencies, providing a nuanced understanding of safety conditions' evolution over time.
- **Real-time Safety Updates:** The model runs in real-time, continuously analyzing the latest crime data for immediate and accurate safety predictions.
- **Adaptive Learning:** LSTM's adaptability ensures increased accuracy over time as it learns from new data, keeping safety predictions relevant.
- **User-Centric Safety Scores:** Safety scores generated by the model simplify decision-making, empowering users to navigate urban areas with confidence.

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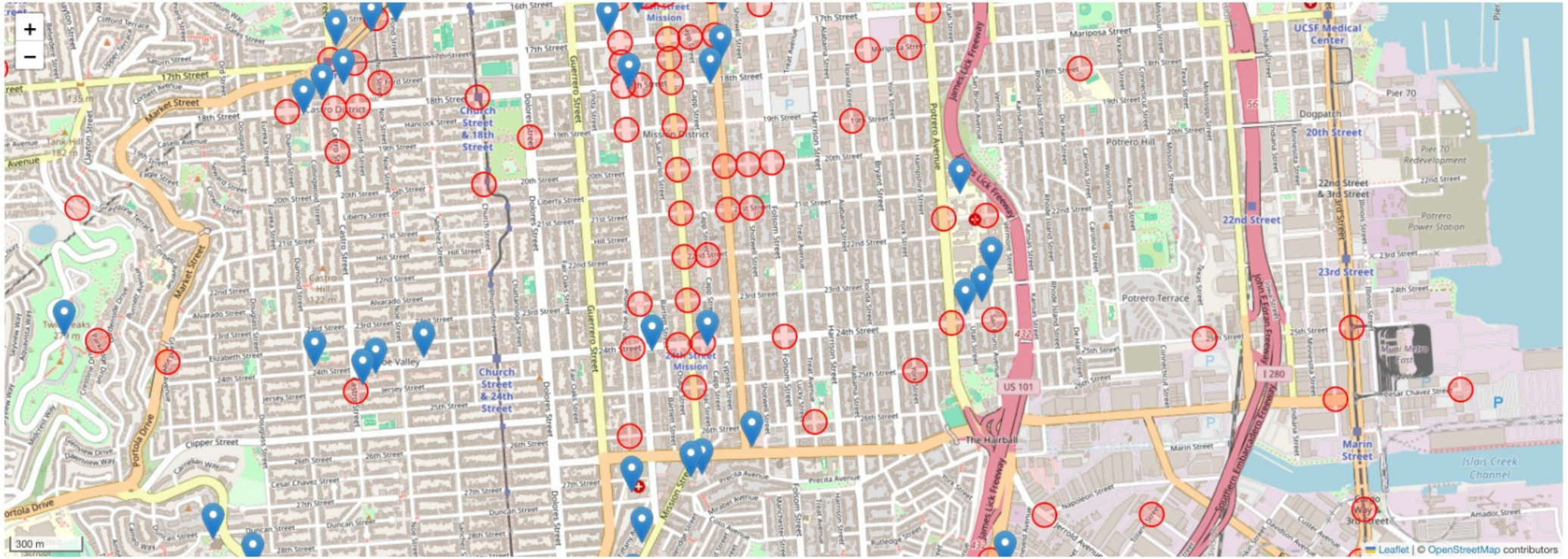
Your Logo Home Routing Complaint

Hello Team



Enter Location:

Get Risk Score

Routing Page

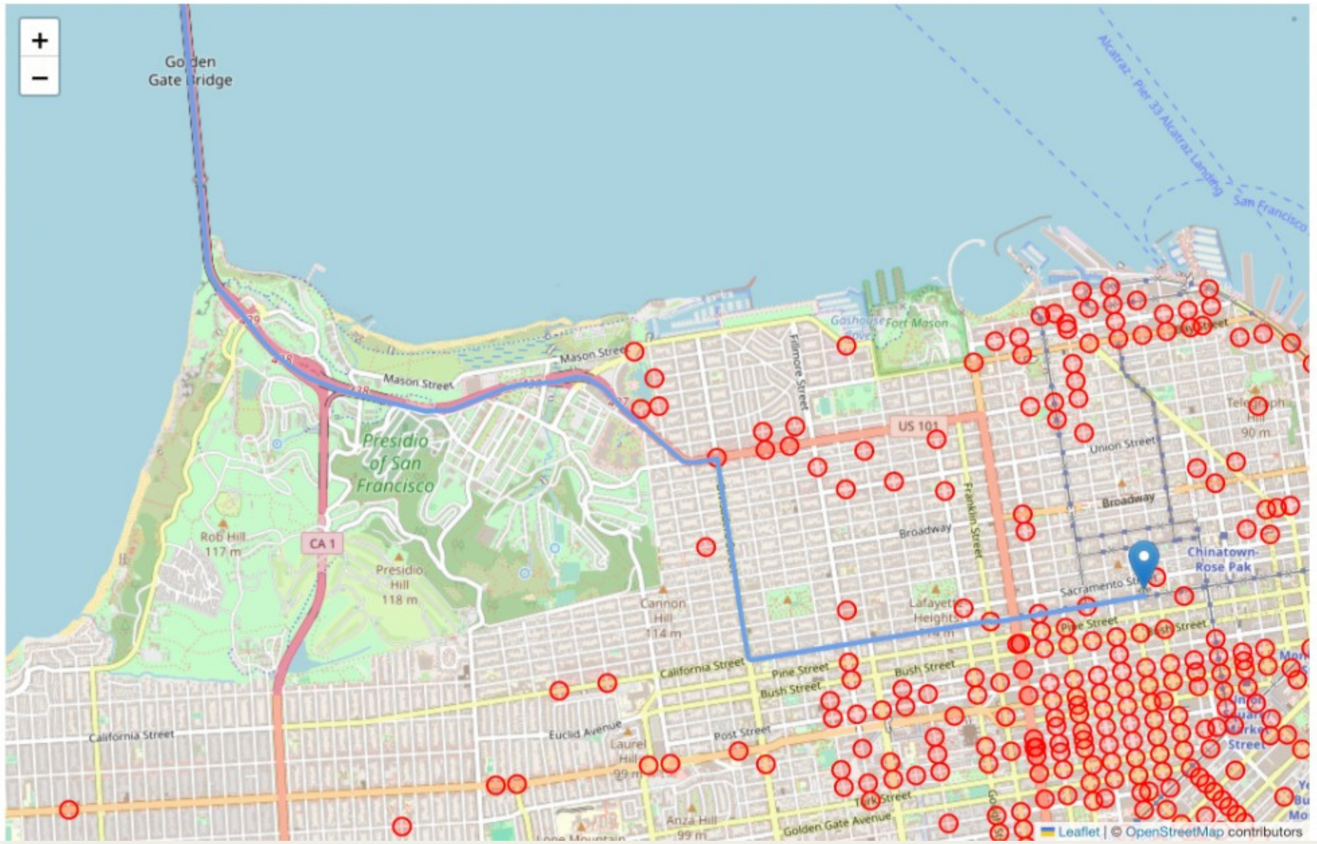
Enter Start Location

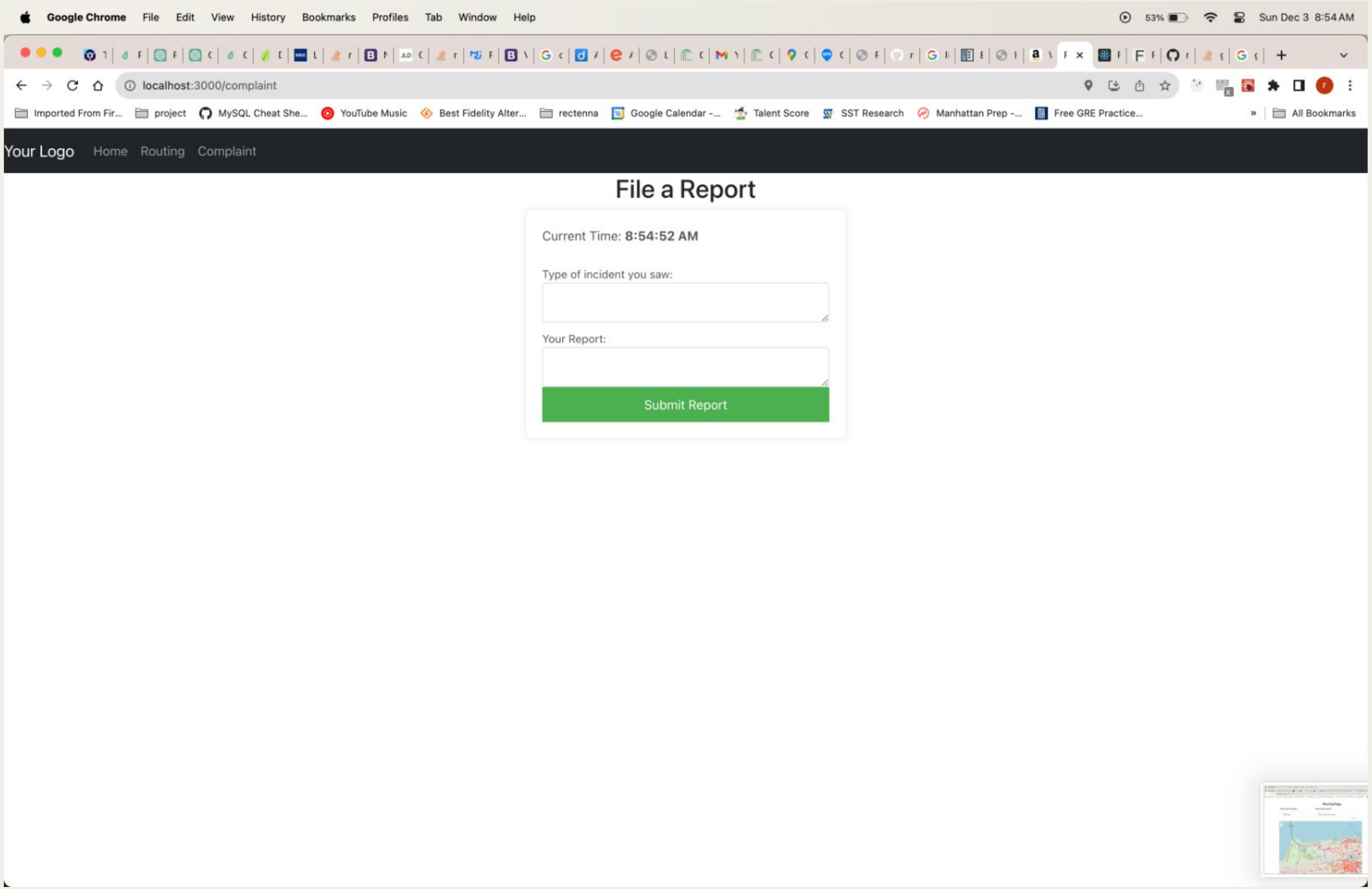
Start
golden gate

Enter End Location

End
grace cathedral san francisco

GO >

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Complaint
File a Report
Current Time: 8:54:52 AM
Type of incident you saw:
Your Report:
Submit Report

FUTURE SCOPE

ML Optimization

Optimize ML model to make it faster and increase the precision of prediction.

Mobile Application

Optimize for a mobile environment to elevate the user experience.

Emergency Response Integration

Work with emergency response services to integrate your data into their systems.

Integration with Smart City Initiatives

Collaborate with city authorities to integrate your safety prediction model into broader smart city initiatives.

IoT Intergration

Integration of IoT sensors to collect real-time data on environmental factors and traffic patterns.

Thank You