Run, ride, walk — safely

SafeLoop

COMM 587 Pitch by Mikena Moore

The Problem

Outdoor exercise is growing, but safety concerns (crime, poor lighting, traffic) hold people back.

Existing route apps (Google Maps, Strava) optimize for speed or distance, not safety

Walkers, runners, and cyclists need safe routes they can trust

The Data

OpenStreetMap

Data on sidewalks, trails, streets, bike lanes

City Crime Data

Geocoded incidents from Los Angeles Open Data

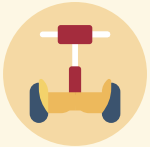
Traffic/ crash datasets

For added safety and foot-friendly routes

Lighting Data

city streetlight inventory or NOAA Nighttime Lights.

Propos



Static Safety Data

Crime history, lighting, crash density

Distance Picker

Enter 2 mi walk, 5K run, or 15 mi bike ride

Smart Routing

Generates safest loop for chosen distance.

Final Product: SafeLoop

Interactive map with color-coded safe vs risky routes.

Future Enhancements?

Live Alerts

connect to 911/police feeds for real-time rerouting.

Integration

Sync with Strava, Apple Health, or fitness trackers.

Community Reporting

Get safety input from users.

Community Feedback

allow users to leave feedback on paths/ review them for better routes.

Thank
you!