

SafeConnect: A Real-Time Women's Safety Web App

SafeConnect is a web-based application designed with the core mission of enhancing women's safety in public spaces.

Built with a focus on real-time support, it enables users to send SOS alerts instantly, connect with nearby verified volunteers, and even notify local authorities in emergencies.

What sets SafeConnect apart is its Aadhaar-based verification system, which adds a strong layer of trust. Users can switch between a map view and a feed interface to report incidents, comment, verify, or upvote reports-fostering a community-driven safety network.

As the developer of this project, I worked on everything from designing the backend using Node.js and Express.js, to integrating Firebase Authentication and OAuth 2.0 for secure logins. I also added real-time geolocation tracking and created heatmaps using Leaflet.js to help users identify risky zones and plan safe routes accordingly.

This app isn't just functional-it's thoughtful. It prioritizes security, reliability, and ease of use. It's a step toward building a digital safety net where users feel heard, seen, and protected.

Tech Stack:

- Frontend: Bootstrap, Leaflet.js, EJS
- Backend: Node.js, Express.js
- Database: MongoDB
- Authentication: Firebase Auth, JWT, OAuth 2.0
- APIs: Geolocation API, simulated Aadhaar Verification

You can check out the live version here:

<https://safe-connect-n3d5.onrender.com>

Explore the code and contribute:

<https://github.com/mastAk7/safe-connect>