

### 1. Mapbox GL JS

Used for rendering interactive maps and customizing map layers.

<https://docs.mapbox.com/mapbox-gl-js/>

### 2. Chart.js

A popular JavaScript library for creating responsive, customizable charts and graphs, such as bar charts, pie charts, and line charts.

<https://www.chartjs.org/>

### 3. PapaParse

A powerful CSV parser for JavaScript that can parse CSV files quickly in the browser or Node.js, supporting asynchronous loading and header mapping.

<https://www.papaparse.com/>

### 4. Mapbox Assembly

Provides utility-first CSS and JS components tailored for Mapbox-based UIs.

<https://www.mapbox.com/assembly/>

### 5. patternomaly

Generates patterns for Chart.js to differentiate datasets visually.

<https://github.com/ashiguruma/patternomaly>

### 6. ECharts

Highly customizable charting library for advanced data visualization.

<https://echarts.apache.org/>

### 7. fullPage.js

Enables full-screen scrolling website sections with smooth transitions.

<https://alvarotrigo.com/fullPage/>

### 8. Font Awesome

Icon library providing scalable vector icons for web projects.

<https://fontawesome.com/>

### 9. Google Fonts

Used to import and style custom web fonts like “Merriweather” and “Dancing Script”.

<https://fonts.google.com/>

### 10. React

Component-based frontend framework for state and UI management.

<https://react.dev/>

### 11. React Router DOM

For in-app navigation and URL control.

<https://reactrouter.com/>

## 12. React Bootstrap

Provides pre-built UI components for cards, layouts, and responsive design.

<https://react-bootstrap.github.io/>

## 13. Mapbox Isochrone API

Generates travel-time-based isochrone polygons to visualize reachable areas (e.g. 15-minute walk zones).

<https://docs.mapbox.com/api/navigation/isochrone/>

## 14. Mapbox Optimization API

Solves the Traveling Salesman Problem to generate an efficient walking route.

<https://docs.mapbox.com/api/navigation/optimization/>

## 15. Google Maps Directions API

For navigation.

<https://developers.google.com/maps/documentation/directions>

## 16. Geolocation API (HTML5)

Obtains the user's current location.

[https://developer.mozilla.org/en-US/docs/Web/API/Geolocation\\_API](https://developer.mozilla.org/en-US/docs/Web/API/Geolocation_API)