

MediMap

AI-Based Healthcare Location Finder

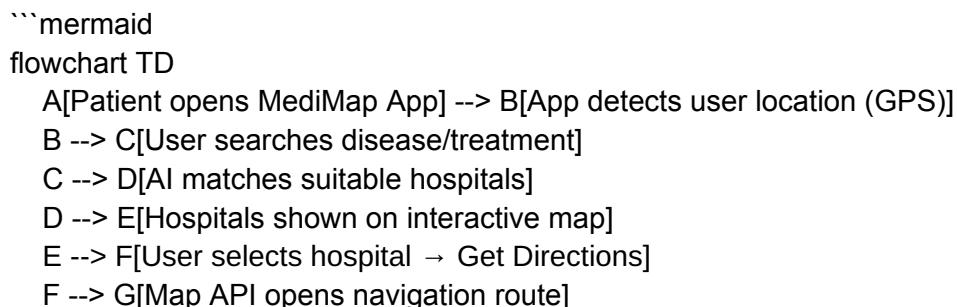
Overview

MediMap is an AI-powered healthcare map application designed to help users quickly locate hospitals, clinics, and healthcare facilities based on their disease or treatment needs. The app integrates map services (MapLibre / OpenStreetMap) and live GPS tracking to display nearby healthcare centers, offering users an easy, fast, and interactive experience.

Features

- Real-time location detection using GPS.
- AI-powered hospital recommendation based on user-searched disease/treatment.
- Interactive map using MapLibre GL JS.
- Hospital list with details and “Get Directions” navigation link.
- Scalable backend (Supabase/Firebase ready).
- Future support for teleconsultation, appointment booking, and health record storage.

How It Works



Tech Stack

- **Frontend:** HTML, CSS, JavaScript
- **Map Engine:** MapLibre GL JS / OpenStreetMap
- **Backend (Future):** Supabase or Firebase
- **AI Integration:** Python API (future integration)
- **Hosting:** GitHub Pages or Vercel

Project Structure

...

```
MediMap/
|
├── index.html      # Main UI
├── style.css       # Styling
├── app.js          # JS logic for search & map
├── README.md       # Project documentation
└── assets/          # Images and icons
```

```

### **Sample Code**

```
```javascript
// Filtering hospitals by specialization
const user_search = searchInput.value.toLowerCase();
const results = hospitals.filter(h =>
  h.specialization.toLowerCase().includes(user_search)
);
displayHospitals(results);
```

Future Enhancements

- AI model for accurate hospital recommendation.
- Integration with real hospital APIs.
- Appointment scheduling and online consultation.
- Patient feedback and rating system.
- Smart emergency routing.

Contributors

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