**🚶Ghumantey Sathi 🚶‍♀️ - an intelligent travel partner**

*“Don’t just travel — travel smart with Ghumantey Sathi.”*

**Category:** Travel / Productivity

### **🌍 Overview**

**Ghumantey Sathi** is an intelligent travel planner that helps users create, organize, and optimize their travel itineraries. Users can manually add trip details, get suggestions for nearby places to visit, and receive AI-generated daily plans based on preferences and time constraints.

Users can:  
 ✅ Add and manage trip plans  
 ✅ Organize day-by-day travel activities  
 ✅ Get smart suggestions for places and optimized routes

### **🧩 Tier 1: Basic Itinerary Builder (React Fundamentals)**

🔹 **Features:**

* 🗺️ Add new trips with destination and dates
* 📅 Add day-wise plans with activities (e.g., "Visit LakeSide at 10 AM")
* ✅ Toggle activities as “completed” for progress tracking
* 🗂️ View organized daily plans per trip
* 📱 Mobile-responsive layout with **Tailwind CSS**

🔹 **Tech Stack:**

* React using useState, useContext, and props
* Core components:
  + TripForm
  + DayPlanner
  + ActivityToggle
  + TripOverview

### **📍 Tier 2: Explore Places (API Integration)**

🔹 **APIs:**

* [📌 Google Places API](https://developers.google.com/maps/documentation/places/web-service/overview)
* [🌐 Triposo API](https://www.triposo.com/api/)

🔹 **Features:**

* 🔍 Fetch nearby places of interest (e.g., landmarks, restaurants, attractions)
* 🎯 Filter by type (e.g., Nature, Culture, Food)
* 🧭 Show place info: name, type, description, photos, and ratings
* 🗂️ Add suggested places directly into the daily itinerary
* ⚠️ Handle API loading, error, and success states

### **🤖 Tier 3: AI-Powered Itinerary Optimization (Gemini Integration)**

🔹 **Using Google Gemini API to:**

* 🧠 Analyze user interests and travel time to generate personalized daily itineraries
* ✏️ Interpret free-text input like “I want a chill day with light sightseeing” into a full plan
* 📌 Suggest optimized routes and activity order to save time
* 📝 Reflect on past days and adjust upcoming plans (e.g., “Too many museums yesterday? Let’s explore nature today.”)
* 📊 Summarize trip highlights at the end

### **✨ Optional Enhancements**

* 💾 Store trips and plans in localStorage or Firebase
* 🗺️ Add map view to visualize routes and activities
* 🔁 Import/export itinerary as PDF or shareable link
* 🌓 Dark/light mode toggle
* 🌤️ Optional weather integration per destination

### **🔌 Suitable APIs**

* 📍 **Google Places API** — Real-time points of interest
* 🧳 **Triposo API** — Travel recommendations and content
* 🤖 **Google Gemini API** — Personalized, AI-optimized travel planning