SANCHARI

Travel Recommendation App Documentation



Prof: NIKSHEP A KULLI

Prepared by: ABHIGNA MARGAM

ANIL MANGAMURI

**Abstract**

Travel is an incredibly transformative experience that allows individuals to explore new cultures, meet diverse people, and gain a deeper understanding of the world. However, the process of planning a trip can often be overwhelming due to the sheer amount of information available online and the difficulty in filtering reliable, authentic advice. *SANCHARI* is a revolutionary travel recommendation app designed to address these challenges by providing travelers with personalized suggestions based on real-world experiences shared by a global community. The app leverages the collective wisdom of fellow travelers to curate recommendations that are both trustworthy and tailored to individual preferences.

Unlike traditional travel platforms that rely on generic recommendations or commercially driven content, *SANCHARI* offers a unique, community-driven approach. Users can browse recommendations from people who have actually visited the destinations they are considering, offering insights into everything from hidden gems and local experiences to the best places to stay, eat, and explore. The app not only allows users to read and benefit from others’ experiences but also empowers them to contribute their own stories, creating a vibrant ecosystem of travel advice that continually grows and evolves.

The app incorporates an AI-powered recommendation engine that analyzes user preferences, behaviors, and historical data to provide highly personalized suggestions for destinations, activities, and itineraries. This ensures that every traveler, regardless of their interests or travel style, receives recommendations that match their specific needs, whether they are adventure seekers, culture enthusiasts, or leisure travelers.

In addition to personalized recommendations, *SANCHARI* features an interactive map that visually displays top-rated destinations, user experiences, and reviews. This makes it easier for users to plan their trips by not only reading about the experiences but also seeing where these places are located and how to get there.

At its core, *SANCHARI* is not just an app; it’s a platform that brings together a community of like-minded travelers who share a passion for exploring the world and discovering new places. It fosters a sense of connection and collaboration, allowing travelers to learn from each other’s experiences, form relationships, and inspire one another. With a focus on authentic content and an emphasis on building a global community of explorers, *SANCHARI* transforms the way people plan their journeys, offering a more personalized, trustworthy, and interactive approach to travel discovery.

By seamlessly combining advanced technology, AI-driven recommendations, and user-generated content, *SANCHARI* is redefining the travel planning experience, empowering travelers to make more informed decisions, save time, and ultimately have more fulfilling and enriching trips.

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### **Introduction**

Traveling has always been an enriching pursuit, offering countless opportunities to explore new cultures, discover unfamiliar places, and experience the world from different perspectives. However, with the growth of the digital age and an overload of information available online, planning a trip has become more challenging than ever. From blogs and review sites to social media posts, the overwhelming quantity of travel advice can make it difficult for travelers to sift through and find reliable, authentic recommendations.

SANCHARI is an innovative solution to this problem, a travel recommendation app designed to help travelers make smarter, more informed decisions based on the real experiences of other users. By tapping into a community-driven platform, SANCHARI offers personalized travel suggestions that go beyond typical commercial advice, focusing on insights, tips, and experiences shared by fellow explorers who have already visited the destinations. This app provides a dynamic ecosystem where users not only consume content but also actively contribute to the collective knowledge base, creating an ever-evolving repository of travel recommendations.

What sets SANCHARI apart is its AI-powered recommendation engine, which tailors suggestions based on user preferences, location, interests, and past activities. Whether you're planning a family vacation, a solo adventure, or a cultural exploration, the app ensures that the advice you receive is aligned with your unique travel style and needs. It integrates an intuitive user interface with interactive maps, helping travelers visualize their journey while connecting with others who have similar interests. By combining community-driven content with cutting-edge AI technology, SANCHARI is transforming the way people approach travel planning and experience sharing.

### **Objectives**

The primary goals of the SANCHARI app are:

* **To provide reliable and community-driven travel recommendations**: By tapping into the collective experiences of real travelers, the app offers users genuine insights and tips that go beyond generic suggestions.
* **To create a personalized travel discovery experience**: Leveraging AI, SANCHARI tailors recommendations based on individual preferences, user behavior, and historical data, ensuring that each traveler receives highly relevant suggestions suited to their needs.
* **To foster a connected global community**: The app promotes social engagement, allowing users to connect with others, share their journeys, and offer advice and support to fellow travelers.
* **To offer an interactive and visually engaging platform for trip planning**: With an integrated interactive map, users can visualize their travel experiences and plan their trips more intuitively by exploring recommended destinations and activities.
* **To streamline the trip planning process**: By providing easy access to authentic recommendations, itineraries, and shared experiences, SANCHARI eliminates the need for endless searches, saving users time and effort.

### **Features**

1. **Read Recommendations and Reviews**:  
   Users can browse through a wide range of travel recommendations and reviews based on real experiences shared by other travelers. Each recommendation is categorized by location, activity type, and traveler profile (family, solo, adventure, etc.), allowing for quick access to relevant content.
2. **Share Your Travel Stories**:  
   As an active community platform, SANCHARI allows users to upload their own travel stories, photos, and reviews to help other travelers make informed decisions. This feature enables a rich exchange of knowledge, creating a collaborative space for exploration.
3. **Interactive Destination Map**:  
   The app’s interactive map feature allows users to visualize the locations of top-rated destinations and explore them visually. Users can click on points of interest to see recommendations, reviews, and details about each location, helping them plan their journey with ease.
4. **Personalized Recommendations with AI**:  
   The heart of SANCHARI lies in its AI-driven recommendation system, which uses machine learning to analyze user preferences and past travel behavior. It suggests tailored activities, hotels, and attractions that are most likely to match each user's interests, optimizing the travel planning process.
5. **Travel Community Engagement**:  
   SANCHARI enables users to participate in forums, discussions, and Q&A sections to engage with the travel community. Users can ask questions, share experiences, or seek advice from fellow travelers who have visited specific destinations.
6. **Save and Share Itineraries**:  
   Once a traveler has curated their ideal trip, they can save their itinerary within the app and share it with others. This feature also allows for easy updates and modifications to the itinerary as the trip planning evolves.
7. **Local Recommendations & Insights**:  
   The app includes a feature that highlights local experiences, eateries, hidden gems, and off-the-beaten-path attractions. This helps users experience a destination from a local's perspective, enhancing the authenticity of their travel experience.
8. **Offline Access**:  
   Travelers can download essential information such as maps and itineraries for offline access, ensuring that they have all the necessary information available even in areas with limited connectivity.

Technology Stack

1. **Frontend**: React Native  
   React Native is used to build a cross-platform mobile app, ensuring that SANCHARI works seamlessly on both iOS and Android devices while delivering a responsive, user-friendly interface.
2. **Backend**: Node.js with Express.js  
   The backend handles all server-side processes, including user authentication, data storage, and API integrations, providing a robust foundation for scaling the app.
3. **Database**: MongoDB  
   A NoSQL database that stores user profiles, travel recommendations, itineraries, and community posts. MongoDB's flexibility makes it ideal for storing diverse types of data generated by the app.
4. **AI Recommendation Engine**: TensorFlow or PyTorch  
   These machine learning frameworks power the app's recommendation system, analyzing user preferences and behaviors to generate personalized travel suggestions.
5. **Cloud Hosting**: AWS or Firebase  
   For scalability and reliability, the app uses cloud hosting services, ensuring fast load times and high availability.
6. **APIs**: Google Maps API, Travel APIs (e.g., TripAdvisor, Skyscanner)  
   The app integrates Google Maps for navigation and location-based features, as well as travel-specific APIs to provide additional information about destinations, accommodations, and flights.

### **User Flow**

1. **Sign-Up/Login**:  
   Users begin by signing up or logging into the app, creating a personalized profile that includes their travel preferences, interests, and past trips.
2. **Set Preferences**:  
   Upon logging in, users are prompted to set their travel preferences, such as preferred activities, destination types, and budget.
3. **Explore Recommendations**:  
   Users browse personalized recommendations based on their preferences and can filter results based on location, activities, or other criteria.
4. **Share Travel Stories**:  
   Users can contribute their own travel experiences by sharing photos, reviews, and stories from their past trips, enriching the community knowledge base.
5. **Plan and Save Itinerary**:  
   Once a user has explored and chosen their destinations, they can plan their trip, saving destinations to a digital itinerary, which can be edited and shared with others.

### **Conclusion**

SANCHARI is not just an app; it's a community-driven platform that redefines the way people explore the world. By focusing on real experiences, personalized recommendations, and building connections between travelers, it empowers individuals to plan trips that are truly tailored to their needs. With its AI-powered engine and user-generated content, the app offers a comprehensive travel discovery tool, helping users make informed decisions and embark on memorable journeys with confidence.