TravelAI: Artificial Intelligence Based Travel Planning Platform

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Abstract: *In today's digital landscape, travelers encounter significant challenges with fragmented planning processes and information overload. Our TravelAI platform addresses these challenges by providing a comprehensive solution through our "Bouncer Trips" application. The platform features an AI-powered recommendation engine that generates personalized itineraries based on user preferences, destination choices, trip duration, and budget constraints. The system architecture integrates a user-friendly interface, secure database management, advanced data analytics, and social networking features. Users interact with the application to input their travel requirements, receive detailed day-by-day itineraries, view accommodation recommendations with cost breakdowns, and access an AI travel assistant for real-time support. By combining intelligent itinerary planning with interactive features, TravelAI transforms travel preparation into a seamless, personalized experience that helps travelers make informed decisions and create meaningful journeys without the stress typically associated with trip planning*

Keywords: AI-based travel planning, personalized itineraries, recommendation engine, cost breakdown, travel assistant.

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