**FULL STACK**

**PROJECT ABSTRACT**

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**AI-Based Travel Planner & Packing Assistant**

**Abstract:**

In today's fast-paced world, planning a trip can be overwhelming, with travelers needing to consider destinations, budgets, packing essentials, and real-time conditions. This project aims to develop an AI-powered web-based Travel Planner & Packing Assistant that streamlines the travel preparation process.

Users can input key trip details such as destination, duration, budget, and climate preferences. The AI then provides:  
Personalized Destination Suggestions – Recommends travel spots based on user interests and budget.  
Smart Packing List – Generates an optimized packing checklist tailored to the weather, planned activities, and personal preferences.  
Real-Time Travel Insights – Offers dynamic travel tips, local guidelines, and itinerary suggestions based on live data.

The system will integrate machine learning models, weather APIs, and real-time travel databases to ensure accurate and efficient recommendations. This AI-driven approach enhances travel convenience, reduces last-minute hassles, and ensures a well-prepared journey tailored to the user's needs.