

AI-Powered Personalized Trip Planner

Team Members: [Add Names Here]

Problem Statement

EaseMyTrip customers face challenges in finding truly personalized travel itineraries. Current solutions offer generic recommendations that fail to adapt to user preferences, budgets, and real-time conditions.

Solution Overview

Our AI-powered trip planner leverages Google Cloud Vertex AI, Gemini, and Maps APIs to deliver hyper-personalized travel itineraries. The system understands user preferences, budget, and constraints to create an optimized plan seamlessly integrated with EaseMyTrip bookings.

Key Features

- Personalized itineraries based on budget, dates, and interests
- AI-powered conversational planning via Dialogflow + Gemini
- Integration with EaseMyTrip APIs for direct bookings
- Google Maps API for optimized routes and travel times
- Smart recommendations with alternative options

Unique Selling Proposition (USP)

Unlike existing trip planners, our solution combines AI-driven personalization with real-time integration into booking platforms, ensuring travelers get tailored, actionable, and bookable itineraries instantly.

Tech Stack

- Google Cloud (Vertex AI, Dialogflow CX, Firebase)
- Gemini API for intelligent itinerary generation
- Google Maps API for navigation and routes
- EaseMyTrip APIs for bookings
- Frontend: React / Flutter | Backend: Cloud Run / Flask

Future Scope

- AI Voice Assistant for natural voice-based trip planning
- AR/VR previews of destinations and accommodations
- Multi-language support for global users
- Predictive pricing and personalized offers using ML
- Integration with wearables for real-time travel updates