

# Travel Guru

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# Problems

- Travel Planning is Complex:

With so many destinations, budget constraints, and preferences, planning a trip can be overwhelming.

- Budget Concerns:

Travelers often struggle to find affordable options without sacrificing experience.

- Lack of Personalized Recommendations:

Generic travel websites don't always provide the best budget-friendly options or local insights.

# Solution

## **AI-Powered Travel Plan Generator:**

Using Vertex AI Generative models, we provide personalized travel itineraries for budget-conscious travelers.

## **Available 24/7:**

Just input your travel preferences in a conversational style, and the system generates an optimized travel plan.

# Key Features

- **AI-Driven Itinerary Generation:**  
Customizes travel plans based on user input, offering cost-effective options.
- **Detailed Itinerary:**  
Includes daily activities, local food, and specific budget breakdowns.
- **Cost-Saving Tips:**  
Tips on how to save money on transportation, accommodations, and food.
- **Essential Travel Apps:**  
Recommends local apps for cabs, payments, food delivery, etc.
- **Save Time:**  
No more endless research! AI generates the entire plan for you in minutes.
- **Local Slangs:**  
Shares some frequently used terms in local languages
- **Image Generation:**  
Generates a visual representation of the itinerary for a more engaging experience.

# Tech Stack

## Tech Stack

- **Vertex AI (Google Cloud):**  
For text and image generation using the Gemini flash and Image Generation models.
- **Colab Notebook**  
User Interface for providing a query and seeing trip plan, images
- **Prompt Engineering**  
Making use of prompts to generate text/
- **Google Cloud Functions:**  
To run the backend logic and generate travel plans dynamically.
- **Firebase Firestore:**  
For storing and managing travel planning history and future use case of fine tuning
- **Python (for deployment):**  
Used for developing and deploying the cloud function.

# Consumers

## Target Audience:

- Solo travelers
- Budget travelers
- Students & young professionals
- People looking for offbeat destinations

## More Potential:

Integrating with flight booking APIs, hotel booking, places reviews and tour operators.

# Demo