

Travel AI



Introduction

Problem

When it comes to travel, what's your biggest struggles?

- Have difficulty organizing a well-planned trip considering the budget, number of people, and duration.

Solutions

Our Travel AI helps you:

- Plan customized trip based on your preference
- Solve Any Travel-Related Concerns

Key Features & Technology

Comprehensive Knowledge

Dataset: Wikipedia-Tourism

Embeddings: LangChain
+HuggingFaceEmbeddings
(all-MiniLM-L6-v2)

VectorDB: ChromaDB

Memory

Storage: JSON for conversation history

Integration: Append to prompt for
context continuity

Personalized Response

RAG: Combine retrieved context with
Gemini-2.0-flash

Prompt Design: Tailored prompts for
precise responses

Immersive User Experience

Vite + React: Fast development and
optimized performance

DEMO



Evaluation

User Feedback

- User1: Can adjust answers based on user queries, robust and stable without frequent crashes.
- User2: The interface is good, and the response is great and useful. It also meets user needs. It greatly benefits from having pre-read relevant information, leading to more accurate, context-aware, and responsive interactions.

Key Findings

- Accurate Recommendations
- User Engagement
- System Stability

Conclusion

Main points

- Comprehensive travel knowledge
- Memory for contextual conversations
- Personalized and relevant responses
- Immersive User Experience

Future work

- Focus on Taiwan Travel
- Integration with real-time travel APIs
- Public deployment and testing

Q&A

With Travel AI, planning is easy, and adventures are endless.

Ask, explore, and let the world surprise you.

Bon voyage!  

