

# Wander Tales: AI-Powered Travel Stories & Recommendations

Experience Your Journey Before It Begins – Smart AI Travel Planning Viswanth Tamanna, Dharani Thakkallapally, Payan Sundar Reddy, Banu Teja Jampani

#### Background

- Existing travel recommendation systems provide generic, static suggestions without considering real-time updates, user preferences, or contextual relevance, making trip planning inefficient and impersonal.
- This project leverages retrieval-augmented generation (RAG) and FAISS-based vector search to dynamically curate travel recommendations based on user interests, recent trends, and real-time data.
- Unlike conventional planners, this system not only assists in travel planning but also generates Al-driven travel narratives, offering users a seamless way to document and relive their experiences.

#### Introduction & Objective

This project integrates APIs like OpenAI, Amadeus API, Google Maps API, Weather API, SERP API, and Geoapify API to offer real-time, dynamic travel recommendations tailored to user preferences. Objectives:

- Provides users with an interactive platform to customize their trips via a chatbot, ensuring recommendations align with their interests and real-time travel conditions.
- Generates engaging travel stories and video previews, allowing users to visualize their journey and build anticipation before the trip.

#### Methodology

- Travelers enter their destination, dates, and preferences, which serve as the foundation for recommendations.
- \* API-Based Data Retrieval:

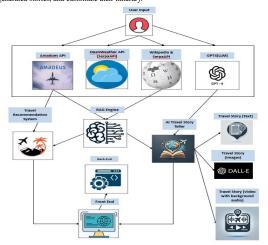
Amadeus API fetches flight details and itineraries.

OpenWeather API (SerpAPI) provides real-time weather updates.

Wikipedia & SerpAPI gather historical and cultural information.

GPT-4 (LLM) generates personalized travel insights.

- A Travel Recommendation System suggests itineraries, while the RAG Engine refines results by retrieving relevant travel information.
- The AI Travel Story Teller generates engaging narratives using GPT-4, complemented by DALL·E for images and additional tools for video storytelling.
- Users receive text-based stories, AI-generated travel images, and immersive video experiences with background audio.
- A web-based front-end interface allows users to access recommendations, explore AI-generated stories, and customize their itinerary.



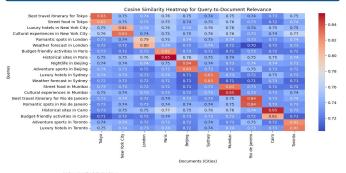
## Comparison of Methods

DALL-E	Stable diffusion
Captures details well	May interpret vaguely
Illustrative, slightly artificial, vibrant	More photorealistic but sometimes muted
Strong, well-structured, proportionate	Can struggle with fine details, distortions possible
Concept art, fantasy, storytelling	Realistic landscapes, textures, artistic freedom





## Analysis





#### Results & Discussion

Offers personalized itineraries, Integrates video and AI-generated stories to enhance user engagement. system ensures flexibility and convenience, adapting to users' changing preferences for a seamless travel experience.

Example: Trip from Kansas City to Manali (March 21 - March 31, 2025). Summary of travel plan generated

- Fly from Kansas City to Delhi, then take a local flight to Manali. Upon arrival, check in to the hotel for a relaxed start.
- ❖ Visit Hidimba Temple, Manali Sanctuary, Solang Valley, and experience the breathtaking Rohtang Pass. Dine at charming cafes like Johnson's Café, Il Forno, Fat Plate Café, and Lazy Dog while enjoying local cuisine.
- ◆Fly back to Delhi and explore iconic attractions like Qutub Minar, Humayun's Tomb, and India Gate. Visit bustling markets like Chandni Chowk, try local delicacies at recommended restaurants, and immerse yourself in Delhi's vibrant street culture.













# Conclusion & Future Scope

- Our AI-powered travel companion transforms trip planning into an immersive adventure, delivering personalized itineraries, stunning visuals, and interactive previews. With real-time insights and AI-driven storytelling, we make every journey exciting before it even begins.
- Future scope includes Expanding to AR/VR travel simulations, multilingual AI storytelling, interactive voice guides, real-time data feeds, booking platform integration, and personalized AI-generated travel videos featuring user integration.

## References

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# Sample video output



Departure: Kansas Destination: Manali Start date: 21-03-2025 End date: 31-03-2025 Purpose of visit: Romantic trip

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