
IBM HACKATHON PROJECT

TRAVEL PLANNER AGENT

Presented By:

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OUTLINE

- Problem Statement
- Technology used
- Wow factor
- End users
- Result
- Conclusion
- Git-hub Link
- Future scope
- IBM Certifications

PROBLEM STATEMENT

The Challenge - A Travel Planner Agent is an AI-powered assistant that helps users plan trips efficiently and intelligently. It uses real-time data to suggest destinations, build itineraries, and recommend transport and accommodation options. By understanding user preferences, budgets, and constraints, it tailors personalized travel plans. Integrated with maps, weather updates, and local guides, it ensures a smooth travel experience. The agent can also manage bookings, alert users to changes, and optimize schedules on the go. This smart assistant transforms complex travel planning into a seamless, enjoyable process.

TECHNOLOGY USED

IBM cloud lite services

Natural Language Processing (NLP)

IBM Granite model

IBM CLOUD SERVICES USED

- IBM Cloud Watsonx AI Studio
- IBM Cloud Watsonx AI runtime
- IBM Cloud Agent Lab
- IBM Granite foundation model

WOW FACTORS

- **Instant Itinerary Planning** – Creates full trip plans in seconds.
- **24/7 Availability** – No waiting, always ready to assist.
- **Personalized Suggestions** – Learns your travel style and preferences.
- **Budget Optimization** – Finds the best deals based on your budget.
- **Visa & Docs Assistant** – Reminds and guides on travel documents.

END USERS

- **Frequent Travelers** – Need fast, personalized, and reliable planning.
- **Busy Professionals** – Want hassle-free, time-saving travel assistance.
- **Families** – Look for safe, budget-friendly, and convenient travel options.
- **Students** – Seek affordable trips and easy booking support.

RESULTS

IBM watsonx

Upgrade ? 🔔

DIVYANSH HATWAR's Acc... Dallas

DP

Deployment spaces / Holiday Travel Agent / Holiday Travel Agent /

Holiday Travel Agent

Deployed Online

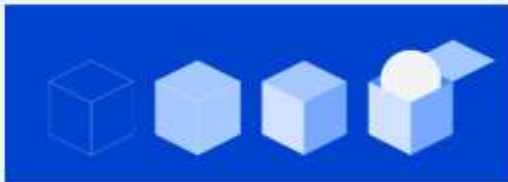
API reference Test Evaluations **Preview**

New chat +

🤖 holiday Travel Agent 03:40 AM

Welcome to Holiday Travel Agent

Hi I'm your AI travel buddy. I can plan your trips, hotel stays, suggest places and many more.



Quick start samples

Places to visit in monsoon →

Budget friendly tour plans for exploring India →

Best Dishes to try in South India →

Places to Visit in Asia →

Type something... ➤

RESULTS



You 03:46 AM

Places to visit in monsoon



Holiday Travel Agent 03:46 AM

Here are some popular destinations known for their charm during the monsoon season:

1. **Shimla, India:** Known for its colonial architecture, tea gardens, and scenic hill stations.
2. **Munnar, India:** Famous for its sprawling tea plantations, beautiful terraced landscapes, and diverse wildlife.
3. **Darjeeling, India:** Known for its tea plantations, stunning views of Kanchenjunga, and the toy train ride.
4. **Scotland:** Offers a unique experience with its dramatic landscapes, historic castles, and the famous Highland Fling festival.
5. **Ooty, India:** Known for its botanical gardens, tea plantations, and the Nilgiri Mountain Railway.
6. **Banff National Park, Canada:** The mountains are especially stunning after the first rains, and wildlife is more active.
7. **Cape Town, South Africa:** The Cape Peninsula's lush greenery and waterfalls are at their best post-rains.
8. **Bali, Indonesia:** The island's rice terraces and temples are less crowded and even more beautiful after the monsoon rains.

Remember to check the weather forecast and pack accordingly. Monsoon can bring heavy rains, so waterproof gear might be necessary. Also, some areas might be off-limits due to landslides or flooding, so it's important to stay updated on local travel advisories.

Would you like more information on any of these places or assistance with planning a trip?

► How did I get this answer?



Type something...



RESULTS



You 03:48 AM

I am interested in Shimla can you tell me weather update of there



Holiday Travel Agent 03:49 AM

Alright, I'm fetching the current weather update for Shimla.

[Executing Weather function with "Shimla" as the location]

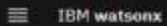
According to the latest data, the weather in Shimla is typically cooler during the monsoon season, with average temperatures ranging from 10°C to 20°C. You can expect moderate to heavy rainfall, so it's advisable to carry waterproof clothing and umbrellas.

Please note that weather conditions can change rapidly, so it's always a good idea to check the forecast closer to your travel dates.

Would you like assistance with anything else, like packing suggestions based on this weather, or perhaps information on things to do in Shimla during monsoons?

RESULTS

Deployed AI Agent



Upgrade ⓘ 🔔

DIVYANSH HATWAR's Account ▾ Dallas ▾ DH

Deployment spaces / Holiday Travel Agent / Holiday Travel Agent /

Holiday Travel Agent

Deployed Online


API reference

Test


Evaluations

Preview

New chat +

 You 03:54 AM

I wanna try Dosa where it would best

 Holiday Travel Agent 03:54 AM


Dosa is a popular dish in South Indian cuisine, and it's best enjoyed in South India itself. Here are a few places known for their dosa:

- Chennai, Tamil Nadu:** Considered the dosa capital of India, Chennai has a plethora of restaurants serving all kinds of dosas. Sangeetha and Murugan Idli Shop are particularly famous.
- Bengaluru, Karnataka:** Known for its filter coffee and crispy masala dosa, Bengaluru has numerous dosa joints. Vidyarthi Bava and Sagar Ratna are popular choices.
- Mysore, Karnataka:** Famous for the Mysore Masala Dosa, this city is a must-visit for dosa lovers.
- Hyderabad, Telangana:** While Hyderabadi cuisine is known for its biryani, it also has some great dosa places like Dosa House and Raju Dosa.
- Coimbatore, Tamil Nadu:** Known for its Rava Dosa (semolina dosa), Coimbatore is another great place to try this dish.

Remember, these are just suggestions based on the popularity of dosa in these regions. Each of these cities has a wide variety of eateries, so you'll have plenty of options to choose from.

Would you like more information on any of these places or assistance with planning your trip?

► How did I get this answer?



Type something...

CONCLUSION

This AI Agent can:

- Enhances travel planning with instant, AI-powered assistance.
- Saves time and effort with smart, automated solutions.
- Offers personalized experiences for various user types.
- Provides 24/7 support for convenience and flexibility.
- Makes travel more accessible, organized, and stress-free.

GITHUB LINK

- <https://github.com/daksh1032911/AI-Travel-Planner-Agent.git>

FUTURE SCOPE

- **Voice-based Trip Planning** – Hands-free, conversational booking.
- **Predictive Travel Trends** – Suggests trips based on user habits and seasons.
- **AR/VR Integration** – Virtual previews of destinations before booking.
- **Real-Time Travel Assistant** – Live help during the journey with smart updates.

IBM CERTIFICATIONS

- Screenshot/ credly certificate(getting started with AI)



Attach your RAG LAB certificate here

IBM **SkillsBuild**

Completion Certificate



This certificate is presented to
DIVYANSH HATWAR

for the completion of

**Lab: Retrieval Augmented Generation with
LangChain**

(ALM-COURSE_3824998)

According to the Adobe Learning Manager system of record

Completion date: 24 Jul 2025 (GMT)

Learning hours: 20 mins



THANK YOU