IBM HACKATHON PROJECT

Travel planner agent

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OUTLINE

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

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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
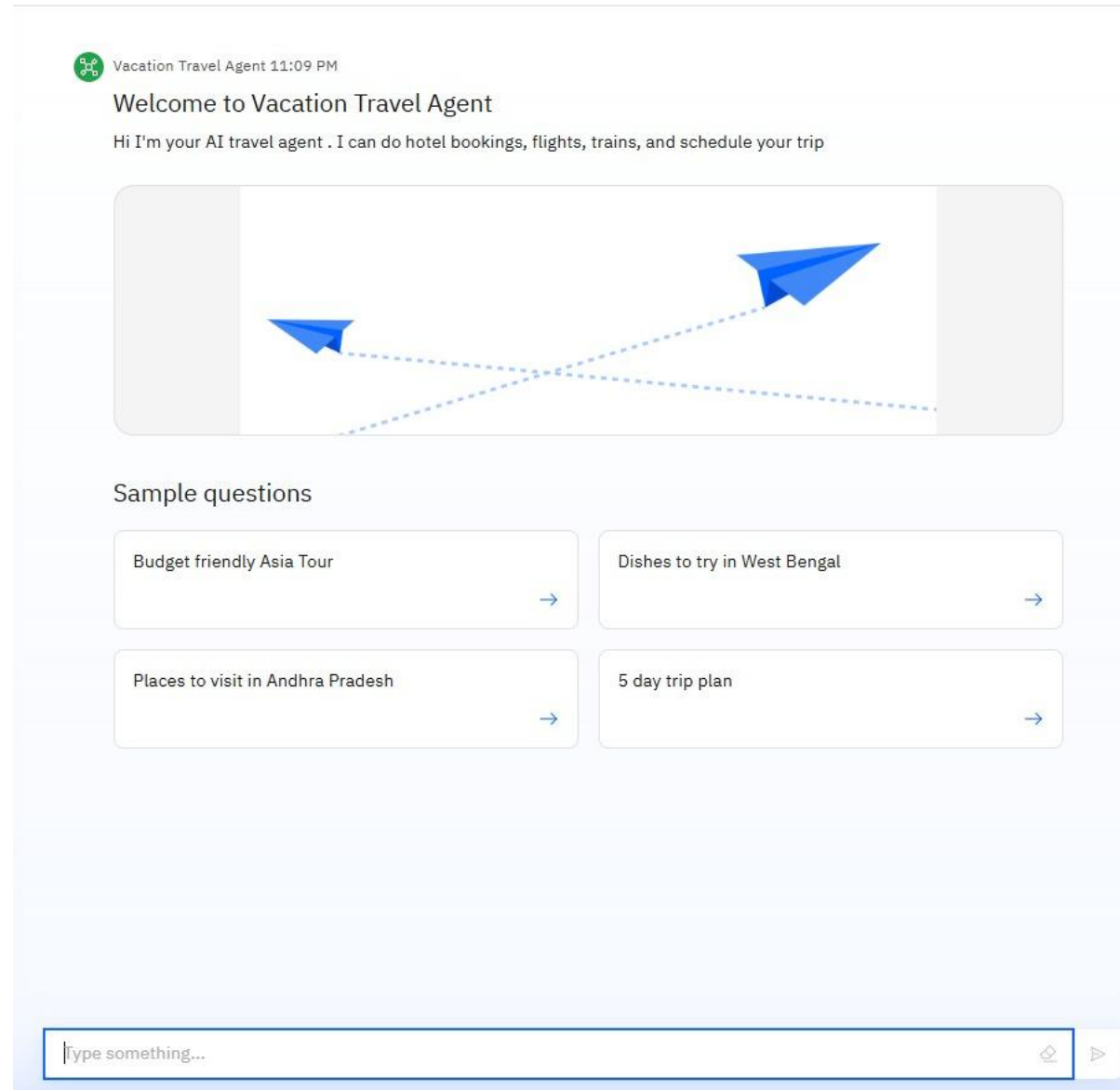
- IBM Granite foundation model

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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

Results

Places to visit in Andhra Pradesh

Vacation Travel Agent 11:09 PM

Andhra Pradesh, a southern state of India, is rich in history, culture, and natural beauty. Here are some must-visit places:

1. **Charminar, Hyderabad:** This iconic monument is a popular tourist attraction. It's a square-shaped, grand structure with four minarets, each about 56 meters high.

2. **Kailasagiri, Vijayawada:** A hill offering panoramic views of the city, the Kailasagiri hill station is a popular picnic spot.

3. **Araku Valley:** Known for its coffee plantations, this valley is also famous for its scenic beauty and the Borra Caves.

4. **Simhachalam Temple, Visakhapatnam:** A historic and religious temple dedicated to Lord Vishnu, it's a significant pilgrimage site for Hindus.

5. **Undersun Museum, Rajamundry:** This unique museum showcases the art of miniature painting.

6. **Amaravathi, Guntur:** Known for its ancient Buddhist relics, this place is significant in the Buddhist history of India.

7. **Srisailam Dam, Kurnool:** One of the largest dams in India, it's also home to the Srisailam Temple, dedicated to Lord Shiva.

8. **Rishikonda Beach, Visakhapatnam:** A popular beach destination, it's known for its sunset views and water sports.

9. **Nagarjunsagar Dam, Guntur:** Also known as Srisailam Dam, it's the second largest dam in India and a popular picnic spot.

10. **Kondaveedu Fort, Nagarjunsagar:** An ancient fort built by Gonka, the feudatory of the Vijayanagara Empire.

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Results

How's Tirupati?

Vacation Travel Agent 11:10 PM

Tirupati, also known as Tiruchulode, is a city in the Chittoor district of Andhra Pradesh, India. It's renowned for the Sri Venkateswara Temple, one of the richest and most visited temples in the world. Here are some key points about Tirupati:

1. **Sri Venkateswara Temple:** The main attraction, this temple is dedicated to Lord Venkateswara, a form of Vishnu. The temple's architecture is a blend of Dravidian and Vijayanagara styles.

2. **Tirumala:** This is a hill town adjacent to Tirupati, and it's a major pilgrimage center. The temple here is one of the most visited in the world, with millions of devotees visiting annually.

3. **Auto Camp:** A unique experience where devotees can stay overnight and perform special pujaris (prayers) in the temple.

4. **Sri Venkateswara National Park:** A protected area that is home to a variety of flora and fauna. It's a great place for nature lovers and trekking enthusiasts.

5. **Papagudi Malai:** A trekking spot offering stunning views of the surrounding hills and the temple.

6. **Talakona Waterfalls:** Located in the Sri Venkateswara National Park, these waterfalls are a popular picnic spot.

7. **Agasthya Lake:** A natural lake surrounded by hills, it's a great place for boating and picnics.

As for the weather, Tirupati has a tropical savanna climate, characterized by a monsoon season and a dry season. The best time to visit is from October to March when the weather is pleasant.

Remember to check the latest travel advisories and local guidelines before planning your visit.

▶ How did I get this answer?

Type something...

Results

Conclusion

This AI Agent can:

Get instant help with planning your trip through smart, AI-powered tools.
Spend less time stressing—automated features handle the details for you.
Enjoy travel plans tailored to your style, whether you're a student, pro, or family.
24/7 support means help is always just a tap away.
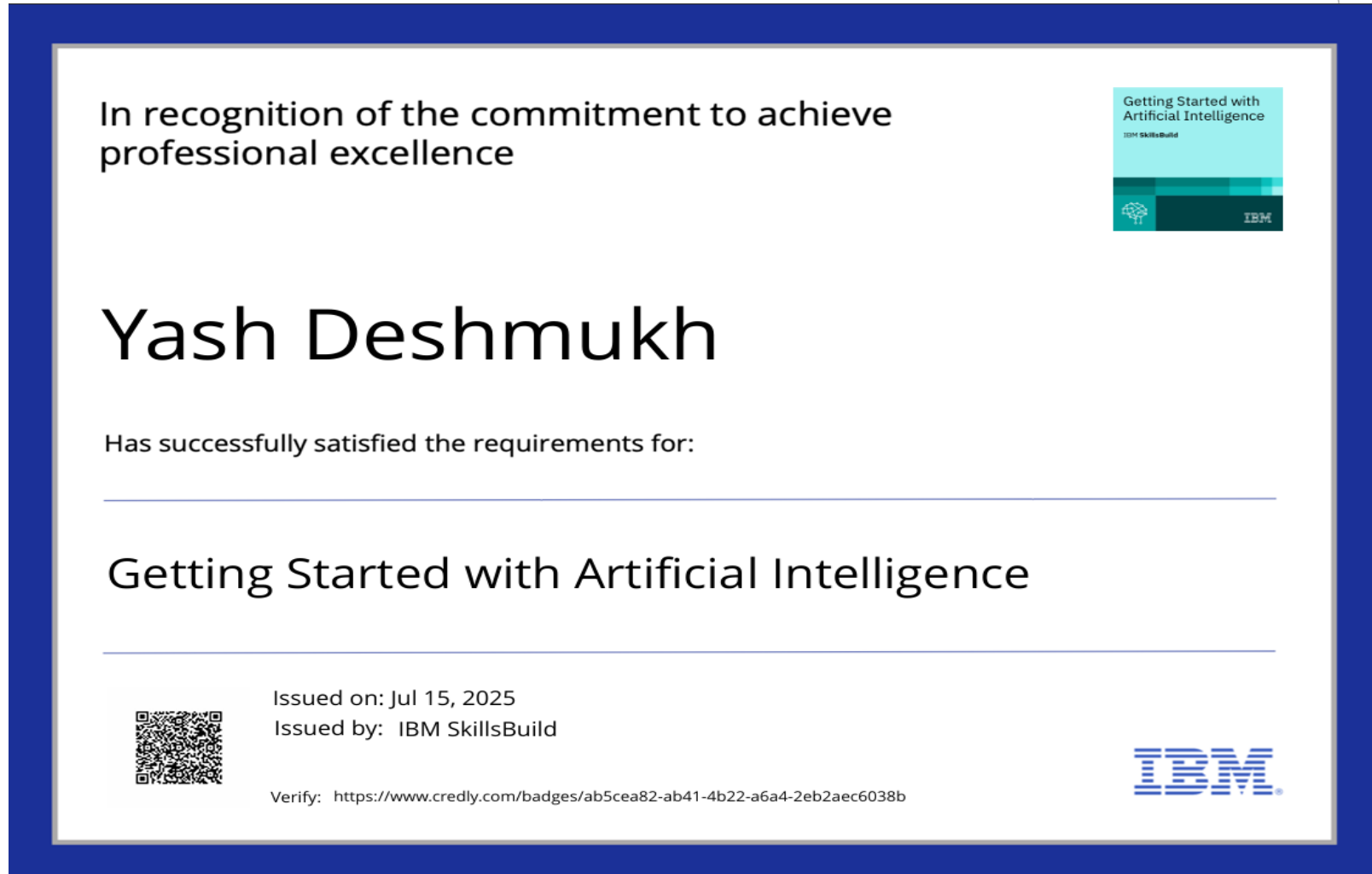Travel becomes easier, more organized, and totally hassle-free.

GitHub Link

- https://github.com/yashdeshmukh65/AI-Travel-Planner-agent.git

FUTURE SCOPE

•**Voice-based Trip Planning** – Plan and book your trips using simple voice commands for a hands-free, conversational experience..

•**Predictive Travel Suggestions** – Get personalized trip ideas based on your travel history, preferences, and seasonal trends.

•**AR/VR Integration** – Explore destinations in virtual reality before you book, making it easier to choose the perfect trip.

•**Real-Time Travel Assistant** – Enjoy live, smart assistance throughout your journey with instant updates and helpful guidance.

IBM Certifications

▶ Screenshot/ credly certificate(getting started with AI)

Attach your RAG LAB certificate here

IBM **SkillsBuild**   Completion Certificate

This certificate is presented to

Yash Deshmukh

for the completion of

Lab: Retrieval Augmented Generation with LangChain

(ALM-COURSE_3824998)

According to the Adobe Learning Manager system of record

Completion date: 04 Aug 2025 (GMT)   **Learning hours:** 20 mins

THANK YOU

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