IBM AICTE PROJECT

AI TRAVEL PLANNER AGENT

Presented By: Janmejay Yagneshkumar Pandya
Student name : Janmejay Yagneshkumar Pandya
College Name & Department : LDRP-ITR, Computer Engineering

OUTLINE

- **Problem Statement**

- **Technology used**

- **Wow factor**

- **End users**

- **Result**

- **Conclusion**

- **Git-hub Link**

- **Future scope**

- **IBM Certifications**

edunet
foundation

PROBLEM STATEMENT

Challenge:

Travel planning is often fragmented, time-consuming, and stressful. Users struggle to find optimal destinations, accommodations, and transport options that match their preferences and budget.

Proposed Solution:

An AI-powered Travel Planner Agent that:

- Understands user preferences, budget, and constraints
- Suggests destinations, builds itineraries
- Recommends transport and accommodation
- Integrates maps, weather updates, and local guides
- Manages bookings and alerts users to changes
- Optimizes schedules dynamically for a smooth travel experience

edunet
foundation

TECHNOLOGY USED

- IBM Cloud Lite Services

- Natural Language Processing (NLP)

- Prompt Engineering with IBM Granite

- IBM Cloud Services Used:

  - IBM Watsonx AI Studio

  - IBM Watsonx AI Runtime

  - IBM Cloud Agent Lab

  - IBM Granite Foundation 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

Impactful Benefits:

- Transforms complex travel planning into a seamless experience

- Saves time and reduces stress

- Offers personalized, real-time recommendations

- Adapts to changes during travel

Unique Features:

- AI-generated itineraries based on user input

- Budget-aware planning

- Smart alerts and booking management

- Integration with weather and location-based services

END USERS

- Frequent Travelers

- Travel Agencies

- Solo and Group Tourists

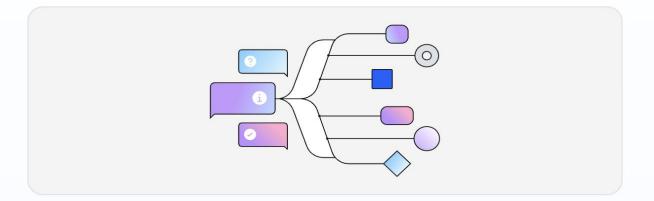- Corporate Travel Planners

- Hospitality Industry

RESULTS

AI Travel Planner Agent 08:55 PM

Welcome to AI Travel Planner Agent

Hey there, I'm your AI Travel Planner Agent, I can help you plan your trips around the world!

Type something...

RESULTS

JP You: 08:59 PM

plan me a 2 days trip from ahmedabad to somanth

🚲 AI Travel Planner Agent 08:59 PM

Here's a 2-day trip plan from Ahmedabad to Somnath:

Day 1: Ahmedabad to Somnath

- Start early from Ahmedabad and drive to Somnath (approx. 400 km, 6-7 hours)
- Visit the Somnath Temple, one of the 12 Jyotirlingas in India
- Explore the nearby Triveni Ghat and take a walk along the beach
- Overnight stay in Somnath

Day 2: Somnath to Ahmedabad

- Visit the Gir Jungle Trail or take a Jeep Safari in the morning
- Return to Ahmedabad in the evening (approx. 6-7 hours)

This plan allows you to visit the famous Somnath Temple and explore the surrounding area, while also giving you a chance to experience the natural beauty of the Gir forest. However, you can adjust the plan according to your preferences and interests.

Additionally, you can consider visiting other nearby attractions such as Dwarka, Nageshwar, and Porbandar, depending on your time and interests.

It's always a good idea to check the current travel restrictions and COVID-19 protocols before planning your trip.

Type something...

edu**net**
foundation

RESULTS

JP **You:** 09:03 PM

can you please prepare a more detailed plan for this trip.

AI Travel Planner Agent 09:03 PM

Here's a more detailed plan for a 2-day trip from Ahmedabad to Somnath:
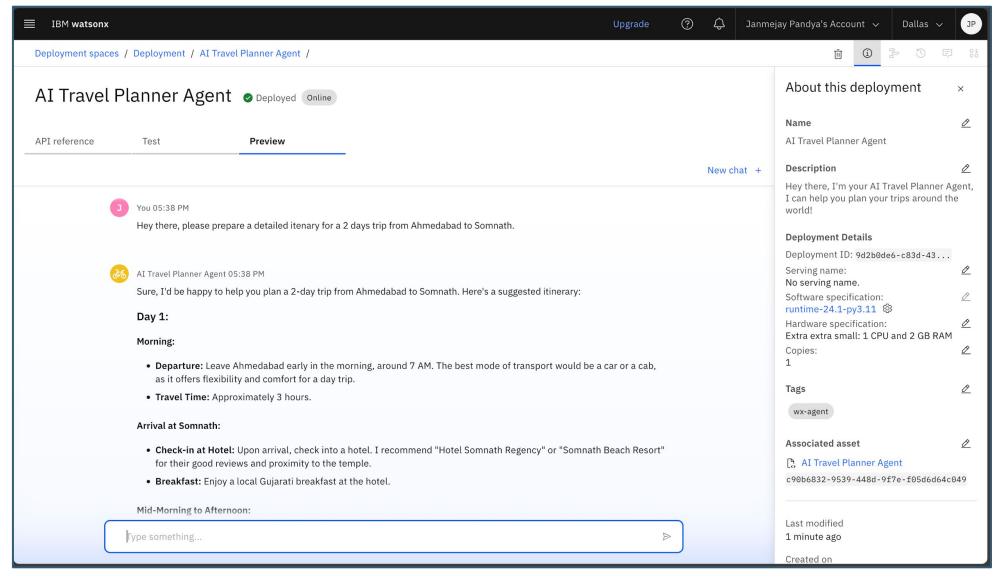
Day 1: Ahmedabad to Somnath

- 7:00 AM: Start from Ahmedabad and drive to Somnath (approx. 400 km, 6-7 hours)
- 1:00 PM: Stop for lunch at a restaurant on the way, such as in Rajkot or Junagadh
- 3:00 PM: Arrive in Somnath and check-in to a hotel
- 4:00 PM: Visit the Somnath Temple, one of the 12 Jyotirlingas in India
- 6:00 PM: Explore the nearby Triveni Ghat and take a walk along the beach
- 8:00 PM: Have dinner at a local restaurant and try some of the local cuisine, such as seafood or Gujarati th
- 9:30 PM: Overnight stay in Somnath

Day 2: Somnath to Ahmedabad

- 7:00 AM: Start the day with a visit to the Gir Jungle Trail or take a Jeep Safari (optional)
- 10:00 AM: Visit the Bhalka Tirth, a sacred site where Lord Krishna is said to have been struck by an arrow
- 12:00 PM: Have lunch at a local restaurant
- 1:30 PM: Visit the Somnath Museum, which houses a collection of artifacts and exhibits related to the tem
  its history
- 3:30 PM: Start the journey back to Ahmedabad (approx. 6-7 hours)
- 9:00 PM: Arrive back in Ahmedabad

Type something...

RESULTS

Deployed AI Agent

RESULTS

Deployed AI Agent

RESULTS

Deployed AI Agent
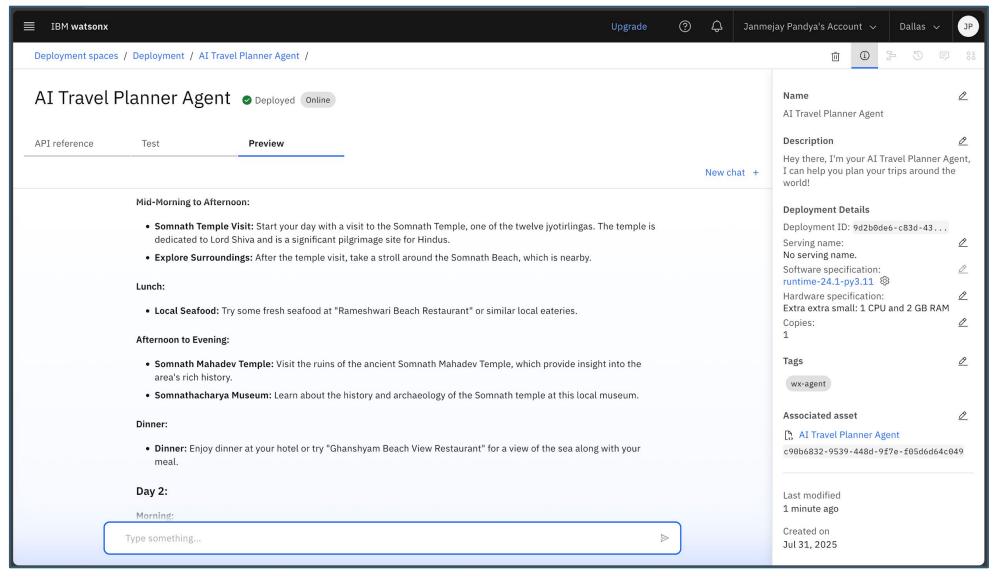
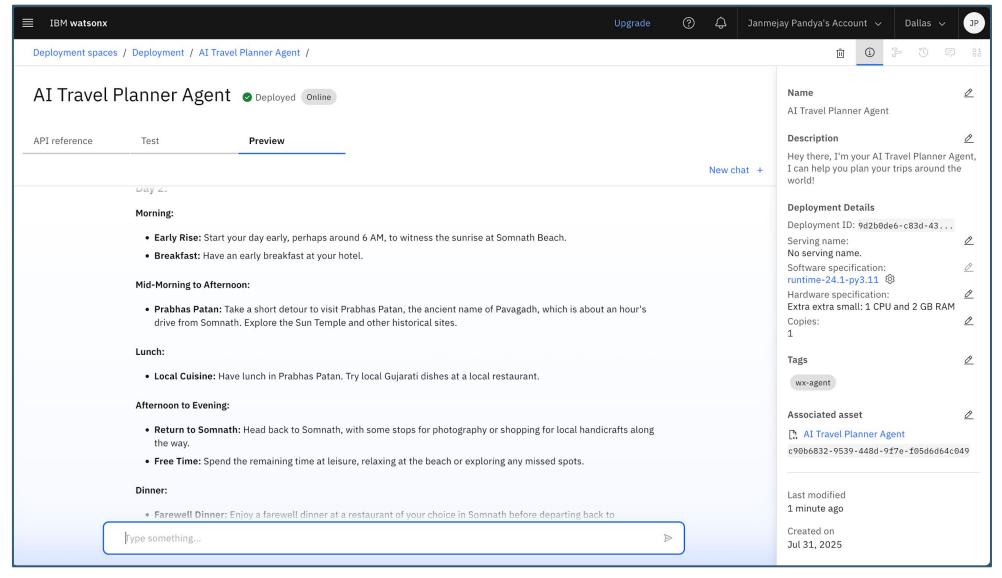# CONCLUSION

- The Travel Planner Agent simplifies trip planning using AI

- Enhances user experience with personalization and automation

- Leverages IBM Cloud and Granite for scalable, intelligent solutions

- Demonstrates real-world impact of AI in consumer applications

edunet
foundation

GITHUB LINK

- https://github.com/Janmejay-Pandya01/IBM-AI-Cloud-Internship-AICTE-Edunet-Foundation.git

FUTURE SCOPE

- Multilingual Travel Support

- Voice-Activated Travel Assistant

- Real-Time Group Collaboration Features

- Sustainable Travel Recommendations

- Integration with Booking & Review Platforms

- AI-Assisted Travel Blog Drafting

IBM CERTIFICATIONS

In recognition of the commitment to achieve professional excellence

Getting Started with Artificial Intelligence
IBM SkillsBuild

Janmejay Pandya

Has successfully satisfied the requirements for:

Getting Started with Artificial Intelligence

Issued on: Jul 15, 2025
Issued by: IBM SkillsBuild

Verify: https://www.credly.com/badges/d9c7835b-7933-4ede-b0e2-0ec9c8705323

IBM

Getting Started with Artificial Intelligence

edunet
foundation

IBM CERTIFICATIONS

In recognition of the commitment to achieve professional excellence

Janmejay Pandya

Has successfully satisfied the requirements for:

Journey to Cloud: Envisioning Your Solution

Issued on: Jul 17, 2025
Issued by: IBM SkillsBuild

Verify: https://www.credly.com/badges/f9929284-7030-4722-9821-8611e32c7828

Journey to Cloud: Envisioning Your Solution

IBM CERTIFICATIONS

IBM SkillsBuild   Completion Certificate

This certificate is presented to

Janmejay Pandya

for the completion of

Lab: Retrieval Augmented Generation with LangChain

(ALM-COURSE_3824998)

According to the Adobe Learning Manager system of record

Completion date: 17 Jul 2025 (GMT)   **Learning hours:** 20 mins

Lab: Retrieval Augmented Generation with LangChain

THANK YOU

edunet
foundation