

IBM AICTE PROJECT

AI TRAVEL PLANNER AGENT

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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

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

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

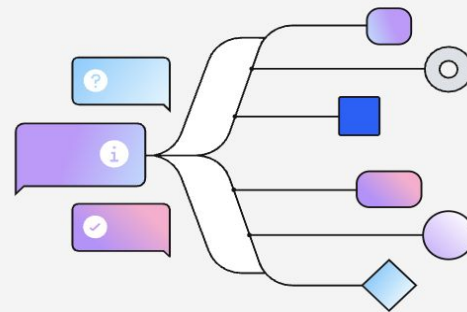
RESULTS



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



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...



RESULTS



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 thali
- 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 temple and 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

The screenshot displays the IBM WatsonX user interface. At the top, the navigation bar includes the IBM WatsonX logo, an 'Upgrade' button, and user account information for Janmejaya Pandya. The breadcrumb trail indicates the current location: 'Deployment spaces / Deployment / AI Travel Planner Agent /'. The main content area features the title 'AI Travel Planner Agent' with a green 'Deployed' status and an 'Online' badge. Below this, there are tabs for 'API reference', 'Test', and 'Preview', with 'Preview' being the active tab. A 'New chat +' button is located on the right side of the chat area. The chat history shows a conversation where the user requests a 2-day itinerary from Ahmedabad to Somnath, and the AI agent provides a detailed plan for Day 1, including departure, travel time, arrival, and breakfast recommendations. A text input field at the bottom is labeled 'type something...'. On the right side, a sidebar titled 'About this deployment' provides details about the agent, including its name, description, deployment ID, serving name, software and hardware specifications, tags, and associated assets.

IBM watsonx Upgrade ? Bell Janmejaya Pandya's Account Dallas JP

Deployment spaces / Deployment / AI Travel Planner Agent /

AI Travel Planner Agent

Deployed Online

API reference Test Preview

New chat +

You 05:38 PM

Hey there, please prepare a detailed itenary for a 2 days trip from Ahmedabad to Somnath.

AI Travel Planner Agent 05:38 PM

Sure, I'd be happy to help you plan a 2-day trip from Ahmedabad to Somnath. Here's a suggested itinerary:

Day 1:

Morning:

- **Departure:** Leave Ahmedabad early in the morning, around 7 AM. The best mode of transport would be a car or a cab, as it offers flexibility and comfort for a day trip.
- **Travel Time:** Approximately 3 hours.

Arrival at Somnath:

- **Check-in at Hotel:** Upon arrival, check into a hotel. I recommend "Hotel Somnath Regency" or "Somnath Beach Resort" for their good reviews and proximity to the temple.
- **Breakfast:** Enjoy a local Gujarati breakfast at the hotel.

Mid-Morning to Afternoon:

type something...

About this deployment

Name AI Travel Planner Agent

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

Deployment Details

Deployment ID: 9d2b0de6-c83d-43...

Serving name: No serving name.

Software specification: runtime-24.1-py3.11

Hardware specification: Extra extra small: 1 CPU and 2 GB RAM

Copies: 1

Tags wx-agent

Associated asset AI Travel Planner Agent

c90b6832-9539-448d-9f7e-f05d6d64c049

Last modified 1 minute ago

Created on

Deployed AI Agent

RESULTS

The screenshot shows the IBM Watsonx interface for a deployed AI agent. The top navigation bar includes the IBM Watsonx logo, an 'Upgrade' button, help and notification icons, and user account information for 'Janmejay Pandya's Account' in the 'Dallas' region. The breadcrumb trail indicates the path: 'Deployment spaces / Deployment / AI Travel Planner Agent'. The main header for the agent is 'AI Travel Planner Agent', which is marked as 'Deployed' and 'Online'. Below this, there are tabs for 'API reference', 'Test', and 'Preview', with the 'Preview' tab currently selected. The preview content is a travel itinerary for Somnath, organized by time of day: 'Mid-Morning to Afternoon', 'Lunch', 'Afternoon to Evening', and 'Dinner'. Each section contains specific recommendations, such as visiting the Somnath Temple, exploring the surroundings, and dining at local restaurants. At the bottom of the preview, there is a 'Day 2' section with a 'Morning:' label and a text input field with the placeholder 'Type something...'. To the right of the preview, a sidebar provides detailed information about the agent, including its name, description, deployment details (ID, serving name, software and hardware specifications, and number of copies), tags (wx-agent), associated asset (AI Travel Planner Agent), and timestamps for last modified and creation.

IBM watsonx Upgrade ? ? Janmejay Pandya's Account Dallas JP

Deployment spaces / Deployment / AI Travel Planner Agent /

AI Travel Planner Agent

✓ Deployed Online

API reference Test **Preview**

New chat +

Mid-Morning to Afternoon:

- **Somnath Temple Visit:** Start your day with a visit to the Somnath Temple, one of the twelve jyotirlingas. The temple is dedicated to Lord Shiva and is a significant pilgrimage site for Hindus.
- **Explore Surroundings:** After the temple visit, take a stroll around the Somnath Beach, which is nearby.

Lunch:

- **Local Seafood:** Try some fresh seafood at "Rameshwari Beach Restaurant" or similar local eateries.

Afternoon to Evening:

- **Somnath Mahadev Temple:** Visit the ruins of the ancient Somnath Mahadev Temple, which provide insight into the area's rich history.
- **Somnathacharya Museum:** Learn about the history and archaeology of the Somnath temple at this local museum.

Dinner:

- **Dinner:** Enjoy dinner at your hotel or try "Ghanshyam Beach View Restaurant" for a view of the sea along with your meal.

Day 2:

Morning:

Type something...

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Copies: 1

Tags wx-agent

Associated asset AI Travel Planner Agent c90b6832-9539-448d-9f7e-f05d6d64c049

Last modified 1 minute ago

Created on Jul 31, 2025

Deployed AI Agent

RESULTS

IBM watsonx

Upgrade ? 🔔 Janmejay Pandya's Account Dallas JP

[Deployment spaces](#) / [Deployment](#) / [AI Travel Planner Agent](#)

AI Travel Planner Agent ✓ Deployed Online

API reference

Test

Preview

New chat +

Day 2:

Morning:

- **Early Rise:** Start your day early, perhaps around 6 AM, to witness the sunrise at Somnath Beach.
- **Breakfast:** Have an early breakfast at your hotel.

Mid-Morning to Afternoon:

- **Prabhas Patan:** Take a short detour to visit Prabhas Patan, the ancient name of Pavagadh, which is about an hour's drive from Somnath. Explore the Sun Temple and other historical sites.

Lunch:

- **Local Cuisine:** Have lunch in Prabhas Patan. Try local Gujarati dishes at a local restaurant.

Afternoon to Evening:

- **Return to Somnath:** Head back to Somnath, with some stops for photography or shopping for local handicrafts along the way.
- **Free Time:** Spend the remaining time at leisure, relaxing at the beach or exploring any missed spots.

Dinner:

- **Farewell Dinner:** Enjoy a farewell dinner at a restaurant of your choice in Somnath before departing back to

Name

AI Travel Planner Agent

Description

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wx-agent

Associated asset

AI Travel Planner Agent

c90b6832-9539-448d-9f7e-f05d6d64c049

Last modified

1 minute ago

Created on

Jul 31, 2025

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

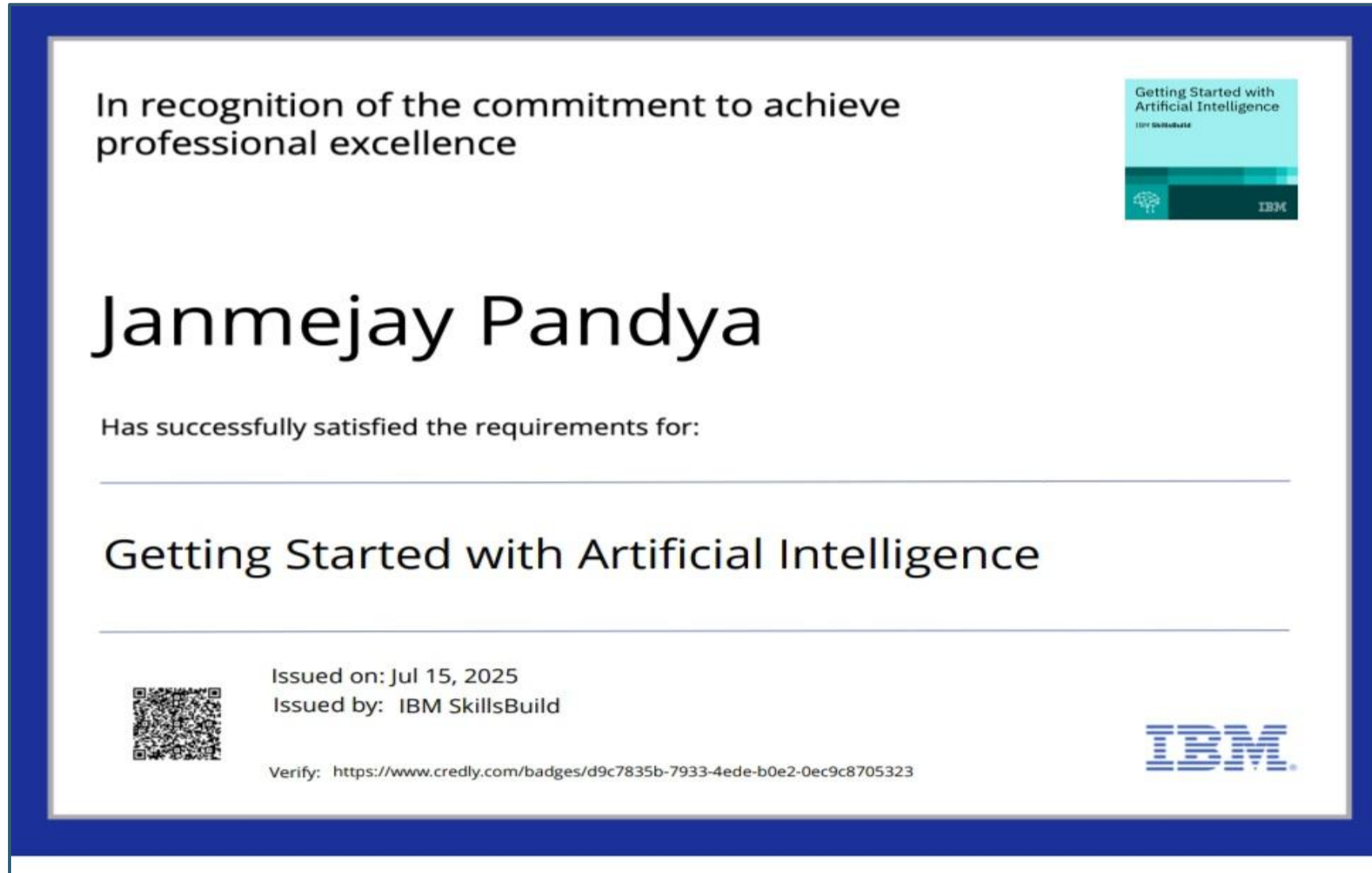
GITHUB LINK

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

FUTURE SCOPE

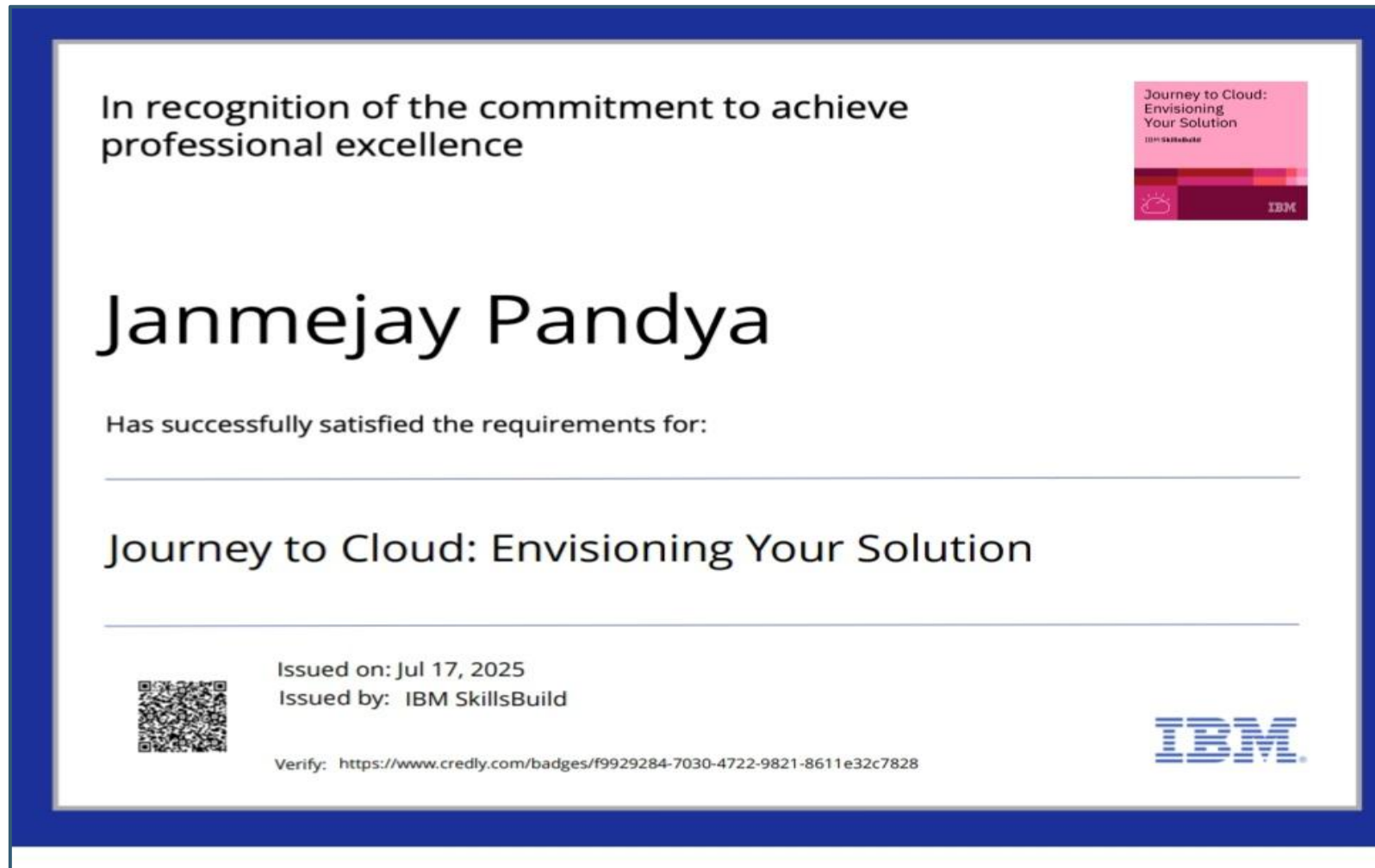
- Multilingual Travel Support
- Voice-Activated Travel Assistant
- Real-Time Group Collaboration Features
- Sustainable Travel Recommendations
- Integration with Booking & Review Platforms
- AI-Assisted Travel Blog Drafting

IBM CERTIFICATIONS



Getting Started with Artificial Intelligence

IBM CERTIFICATIONS



Journey to Cloud: Envisioning Your Solution

IBM CERTIFICATIONS



Lab: Retrieval Augmented Generation with LangChain



THANK YOU