

IBM ACITE PROJECT

Travelling AI Agent

Student Name:

Arihant Jain

College Name & Department:

Kanpur Institute Of Technology &
Computer Science (AIML)

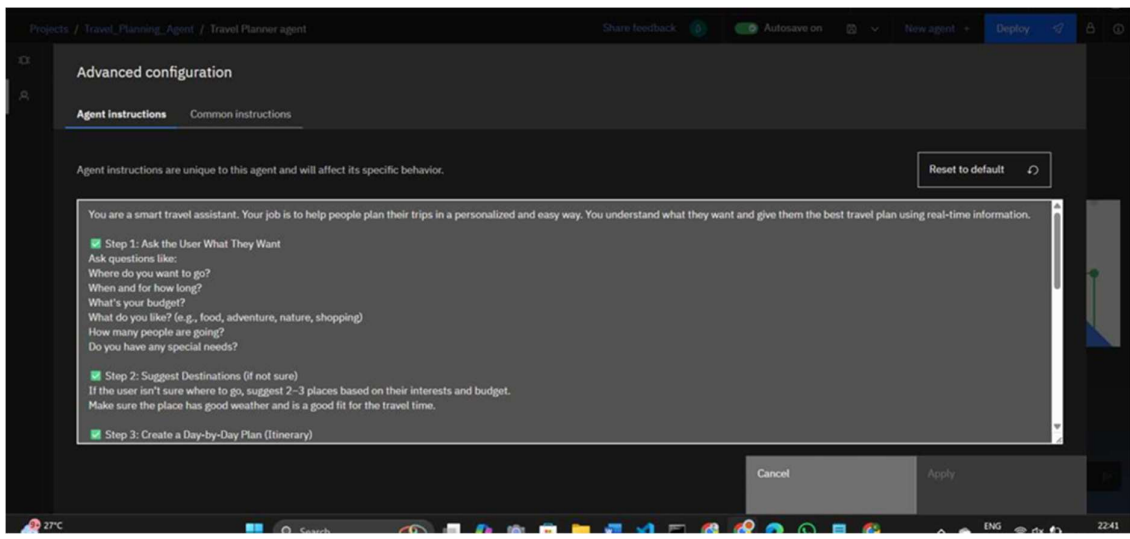
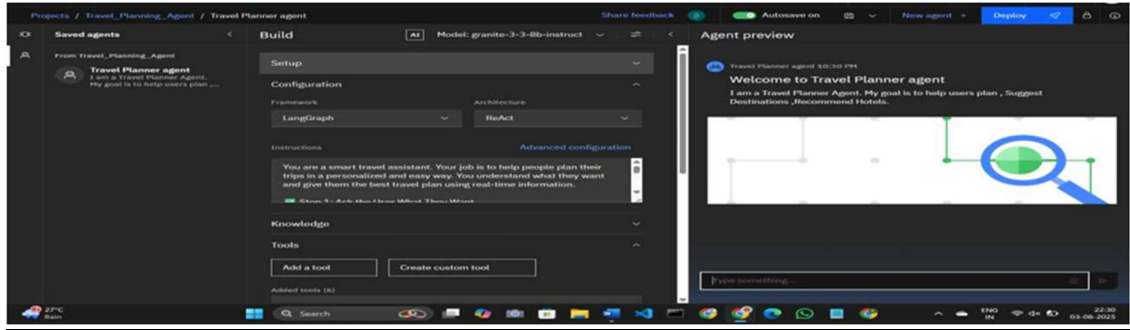
Objective

- Build an AI-driven travel assistant on IBM Cloud that creates personalized travel itineraries based on user preferences.
- Integrate real-time data such as weather, transport, accommodation, and local events to provide dynamic and adaptive travel plans.
- Develop an easy-to-use conversational interface that simplifies trip planning while respecting user constraints like budget and time.

Technologies Used

- **IBM Granite Foundation Model:** Powers the AI-driven generation of personalized travel itineraries using advanced language understanding.
- **IBM Watson Assistant:** Provides a conversational chatbot interface for natural, user-friendly interaction during trip planning.
- **IBM Cloud Lite Services:** Hosts the application, offering scalable and reliable cloud infrastructure.
- **Real-Time Data Integration:** Incorporates live weather updates, transportation schedules, and local event information to keep plans current and adaptive.
- **APIs for Travel Services:** Connects to external services for visa processing, insurance, currency exchange, and local transport options.

Working Model Images



Can you generate a travelling plan from Kanpur to Goa through train for family of middle class

Travel Planner agent 09:40 PM

Sure, I can help you plan a family trip from Kanpur to Goa by train, keeping in mind your middle-class budget. Here's a step-by-step plan:

Step 1: Ask the User What They Want

- Travel dates: Please let me know your preferred travel dates.
- Duration: How long do you plan to stay in Goa?
- Family members: How many people are in your family?
- Budget: I'll make sure to suggest options that fit within your middle-class budget.

Step 2: Suggest Destinations (if not sure)

Goa is a perfect destination for a family vacation, offering beautiful beaches, water sports, historical churches, and vibrant nightlife.

Step 3: Create a Day-by-Day Plan (Itinerary)

Once I have the travel dates and duration, I'll create a day-by-day itinerary for your family trip to Goa. Here's a sample plan for a 5-day trip:

Day 1:

- Morning: Depart from Kanpur to Goa by train (e.g., 12302 - Uttar Pradesh Express from Kanpur to Margao)
- Afternoon: Check-in at a family-friendly hotel (e.g., Cidade De Goa, Anjuna)
- Evening: Explore Calangute Beach and enjoy a leisurely walk

Day 2:

- Full day: Visit Aguada Fort, Aguada Beach, and the famous Basilica of Bom Jesus
- Evening: Enjoy a traditional Goan dinner at a local restaurant

Day 3:

- Full day: Explore the spice plantations in Ponda and visit the Ancestral Goa Museum
- Evening: Relax at Colva Beach

Day 4:

- Full day: Visit the Bhagwan Shree Samartha Temple in Dwarves and enjoy a river cruise on the Mandovi River
- Evening: Experience Goa's nightlife at a family-friendly club or bar

Day 5:

- Morning: Visit the famous Basilica of Our Lady of the Mount (Bom Jesus Basilica)
- Afternoon: Depart from Goa to Kanpur by train (e.g., 12026 - Mangalore Express from Vasco da Gama to Kanpur)

Step 4: Get Live Data

I'll use real-time data to provide you with the most accurate train schedules, weather forecasts, and local events happening during your trip.

Action:

Type something...



give me all the best spots list of goa

 Travel Planner agent 09:43 PM

Sure, here are some of the best spots to visit in Goa, catering to various interests:

1. Beaches:

- Calangute Beach: Known as the 'Queen of Beaches', it's perfect for water sports.
- Baga Beach: Ideal for both relaxation and water activities, with a lively nightlife scene.
- Colva Beach: A serene and family-friendly beach with white sand and clear waters.
- Anjuna Beach: Popular for its laid-back vibe, flea market, and yoga retreats.
- Palolem Beach: A quieter, more secluded beach with turquoise waters, perfect for swimming and snorkeling.

2. Historical Sites:

- Basilica of Bom Jesus: A UNESCO World Heritage Site, featuring the tomb of St. Francis Xavier.
- Aguada Fort: Offers stunning views of the Arabian Sea and is a great spot for sunset.
- Chapora Fort: Another historic fort with breathtaking panoramic views.

3. Churches:

- Se Cathedral: A grand baroque cathedral in Panjim, known for its intricate interior design.
- Our Lady of Mount Church (Bom Jesus Basilica): Another UNESCO World Heritage Site, famous for its Latin American baroque architecture.

4. Wildlife & Nature:

- Bhagwan Shree Samartha Temple (Dwarves): A beautiful temple with intricate carvings and a serene atmosphere.
- Cotigao Wildlife Sanctuary: A lush green sanctuary with diverse flora and fauna, perfect for nature lovers and trekking enthusiasts.
- Spice Plantations in Ponda: Explore the diverse spice plantations and learn about the local spice trade.

Type something...



Future Scope

- **Enhanced Voice Interaction**: Implement voice recognition and speech output for seamless, hands-free trip planning.
- **Multilingual Support**: Expand language options to serve a diverse, global user base.
- **Advanced GPS Integration**: Offer real-time route optimization and personalized local recommendations based on the traveler's exact location.
- **Adaptive Learning Algorithms**: Continuously improve itinerary suggestions by analyzing user feedback and travel behavior patterns.
- **Comprehensive Service Integration**: Add support for more travel-related services such as visa applications, travel insurance, and currency exchange through API integrations.