



# Travel AI Agent

IBM AICTE PROJECT Presented By: Kavvya  
MCollege Name & Department: MIT ACADEMY  
OF ENGINEERING, COMPUTER ( SOFTWARE )  
ENGINEERING DEPARTMENT

## Slide 2: Outline

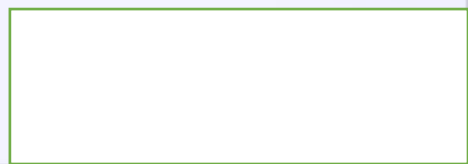
- Problem Statement
- Technology Used
- Wow Factor
- End Users
- Results
- Conclusion
- GitHub Link
- Future Scope
- IBM Certifications

## Slide 3: Problem Statement

**Challenge:** Travel planning can be overwhelming, time-consuming, and confusing, especially when considering multiple variables like budget, time, weather, transport, and accommodation.

**Proposed Solution:** An **AI-powered Travel Planner Agent** that:

- Understands user preferences and budget
- Suggests destinations
- Builds personalized itineraries
- Recommends transportation and stays
- Provides real-time weather and map info
- Manages bookings and alerts
- Optimizes travel schedules for a seamless experience



## Slide 4: Technology Used

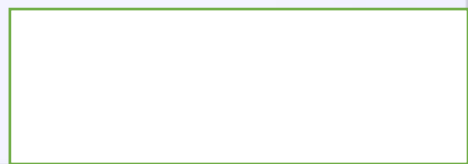
IBM Cloud Lite Services

IBM Granite Foundation  
Model

Natural Language  
Processing (NLP)

Generative AI for conversational queries

Integration with Maps, Weather APIs, and  
Booking Systems



## Slide 5: IBM Cloud Services Used

IBM Cloud [Watsonx.ai](#) Studio

IBM Cloud [Watsonx.ai](#) Runtime

IBM Cloud Agent Lab

IBM Granite Foundation Model

## Slide 6: Wow Factor

### Conversational AI

Provides travel recommendations in real-time

### Personalized Itineraries

Based on **budget, interests, and dates**

### Live Integration

With **maps, weather, and local guides**

### Alerts

For **flight changes, traffic conditions, and accommodation availability**

### Optimized Travel Plans

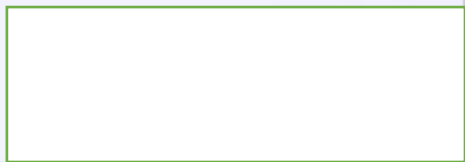
To save time and reduce cost

### Scalable and Easy to Deploy

Using IBM Granite & Watsonx

## Slide 7: End Users

- Frequent Travelers
- Corporate Travel Planners
- Travel Agencies
- Tourism Boards
- Students planning study tours
- Casual tourists seeking smart trip planning





Slide 8 Results

SEM 4 PyqsSpotifyWhatsAppMITAoE PYQsDreamy Collection -...

Upgrade

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Kavvy Mankulwar's Account

Dallas

KM

β

Autosaved 4:19 PM

📁

New agent +

Deploy

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Agent preview

KM

You: 04:19 PM

hello

🤖

Travel\_Planner\_Agent 04:19 PM

Hello! How can I assist you with your travel plans today?

▶ How did I get this answer?

🔄

Type something...

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## Slide 9 Results

Answered user queries on destinations, transport options, and budgets

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Kavya Mankulwar's Account

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Agent preview

KMYou: 04:29 PM

give me travel plan from kashmir to kanyakumari

🤖

Travel\_Planner\_Agent 04:29 PM

A trip from Kashmir to Kanyakumari is quite extensive, covering a wide range of landscapes and cultures. Here's a basic outline for your journey:

1. Kashmir (5-7 days):

Start in Srinagar, exploring the Mughal Gardens and Shikara rides on Dal Lake. Visit Pahalgam for its stunning valleys or Sonamarg for its meadows of wild flowers. Don't forget to experience the houseboats in Jammu & Kashmir's capital city, Srinagar.

2. North India (4-6 days):

Travel by train or flight towards South India via Delhi/Amritsar/Jaipur depending on your preference and convenience which will take approximately 1 day each way including sightseeing breaks at these cities en route if time permits - Taj Mahal in Agra, Red Fort & Chandni Chowk in Delhi

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# Slide 10 Results

Provided end-to-end itinerary suggestions with high accuracy

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Kavvy Mankulwar's Account

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Agent preview

2. **North India (4-6 days):** Travel by train or flight towards South India via Delhi/Amritsar/Jaipur depending on your preference and convenience which will take approximately 1 day each way including sightseeing breaks at these cities en route if time permits - Taj Mahal in Agra, Red Fort & Chandni Chowk in Delhi etc., are must visits before heading southwards into warmer climates.

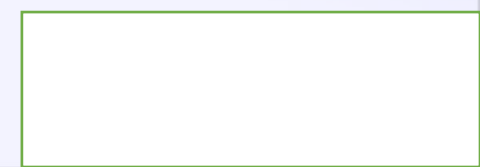
3. **Southern States (10-14 days):**

- Bangalore: Known as the Silicon Valley of India with beautiful parks like Cubbon Park and Lalbagh Botanical Garden alongside historical sites such as Bangalore Palace
- Mysore: Famous for its royal past evident through magnificent structures like Mysore Palace and Brindavan Gardens
- Ooty / Coorg / Wayanad : Enjoy scenic beauty amidst tea plantations or spice gardens; choose based on personal interest
- Madurai: Explore Meenakshi Amman Temple here one of the oldest temples dedicated to Hindu goddess Meenakshi

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## Slide 11 Results

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Agent preview

Continue down reaching major coastline destinations –

- Kochi / Alleppey (2-3 days): Experience backwaters either by houseboat stay overnight or just visit during daytime; don't miss out local market shopping
- Thiruvananthapuram (2-3 Days): End point where you can explore Padmanabhaswamy Temple among other attractions before concluding this grand tour at tranquil Kanyakumari itself

This itinerary spans roughly around 40+/-days considering detailed exploration without rush but adjustments can certainly be made according to your preferences regarding pace & duration spent per location while balancing travel times between them too!

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## Slide 12 Results

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Agent preview

KM

You: 04:32 PM

where should i book my railway or plane tickets ?

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Travel\_Planner\_Agent 04:32 PM

For booking your railway or plane tickets, I recommend using trusted travel and transportation platforms. Here are a few options:

1. **MakeMyTrip:** A popular online travel agency in India for flights, trains, buses, hotels etc. They offer user-friendly interfaces and secure payment gateways.

2. **Cleartrip:** Another reliable platform where you can compare prices across various airlines and IRCTC (Indian Railway Catering and Tourism Corporation) for train bookings to find the best deals that suit your budget.

3. **Yatra:** This is yet another well-known website/app providing services like flight ticket booking, hotel reservations along with IRCTC integration for seamless train bookings directly from their platform ensuring no last minute hassles of logging

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# Slide 13 Results

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Agent preview

3. **Yatra:** This is yet another well-known website/app providing services like flight ticket booking, hotel reservations along with IRCTC integration for seamless train bookings directly from their platform ensuring no last minute hassles of logging into different sites!

4.**IRCTC Official Website :** For direct train bookings in India without any intermediary fees; it's advisable to visit the official site though note down Tatkal booking waiting list timings as they might change frequently due to high demand periods!

Remember to check multiple platforms before finalizing your purchase since prices may vary slightly among them offering potential savings depending on timing & availability!

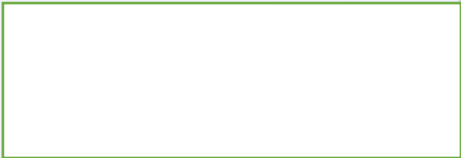
▶ How did I get this answer?

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## Slide 14 Results

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Agent preview

KM

You: 04:33 PM

suggest me top hotels for this trip

🤖

Travel\_Planner\_Agent 04:33 PM

Certainly! Here are some hotel recommendations for your journey from Kashmir to Kanyakumari, categorized by location:

Srinagar (Kashmir):

1. **The Cave Hotel:** Offers a unique experience of staying in caves with modern amenities.

2. **Shalimar Gardens Lawn & Restaurant:** A heritage property providing comfort and traditional hospitality near Dal Lake.

Delhi/Agra/Jaipur:

1. **The Leela Palace New Delhi:** Known for luxury and royal service in the heart of

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## Slide 15 Results

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Agent preview

For Agra consider -

- The Oberoi Amarvilas or JW Marriott offering views of Taj Mahal And for Jaipur try -
- Rambagh Heritage or Umaid Bhawan Palace reflecting grandeur reminiscent of maharaja's era

**Bangalore / Mysore:**

1. **Cocoon – The Signature by ITC Hotels**, Bangalore: Modern design blended with warmth ensuring utmost comfort

In Mysore check out -

- Chomani Hasthinapura Resort & Spa presenting opulence alongside serene ambiance

Type something...

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# Slide 16 Results

AI Travel Agent successfully deployed on IBM Cloud

IBM watsonx

Upgrade ?

Kavya Mankulwar's Account

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[Deployment spaces](#) / [Travel\\_Planner\\_Agent](#) / [Travel\\_Planner\\_Agent](#) /

Travel\_Planner\_Agent Deployed Online

API reference

Test

Evaluations

Preview

New chat +

Travel\_Planner\_Agent 04:35 PM

Hello! How can I assist you with your travel plans today?

You 04:35 PM

suggest me a travel from kashmir to goa

Travel\_Planner\_Agent 04:35 PM

Sure, I can help you plan a trip from Kashmir to Goa. Here's a basic itinerary:

Type something...

About this deployment

Name

Travel\_Planner\_Agent

Description

I'm your AI travel buddy-plan trips, book stays, suggest spots, all tailored just for you!

Deployment Details

Deployment ID: 738e5471-abee-46...

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

# Slide 17 Conclusion

## Simplifies Travel

The Travel Planner Agent simplifies the **entire travel process**

## Intelligent & Personalized

Makes planning **more intelligent, personalized, and stress-free**

## Saves Time & Informs

Helps users **save time, avoid confusion**, and stay **informed**

## Powerful AI Use

Demonstrates **powerful use of AI + IBM Granite + NLP** for real-world applications

Slide 18: GitHub Link

[https://github.com/Kavvya-2122/Travel\\_Planner\\_Agent](https://github.com/Kavvya-2122/Travel_Planner_Agent)

## Slide 19: Future Scope

- Multi-language support for international travelers
- Voice-based agent for on-the-go conversations
- Real-time currency conversion and visa requirement checks
- AI-powered local guide recommendations and safety alerts
- Integration with booking APIs for direct reservations

## IBM CERTIFICATIONS

### Getting Started with Artificial Intelligence

In recognition of the commitment to achieve  
professional excellence



# Kavvya Mankulwar

Has successfully satisfied the requirements for:

---

## Getting Started with Artificial Intelligence

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Issued on: Jul 20, 2025  
Issued by: IBM SkillsBuild

Verify: <https://www.credly.com/badges/7fdc03d0-2933-4098-b2ff-7fc5e774ff7d>



# IBM CERTIFICATIONS

## Journey to Cloud: Envisioning Your Solution



## IBM CERTIFICATIONS

### RAG LAB

**IBM SkillsBuild**

Completion Certificate



This certificate is presented to  
**Kavvy Mankulwar**

for the completion of  
**Lab: Retrieval Augmented Generation with  
LangChain**  
(ALM-COURSE\_3824998)

According to the Adobe Learning Manager system of record

**Completion date:** 03 Aug 2025 (GMT)

**Learning hours:** 20 mins