IBM AICTE PROJECT

TRAVEL PLANNER AGENT

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OUTLINE

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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)

Retrieval Augmented Generation (RAG)

IBM CLOUD SERVICES USED

- IBM Cloud Watsonx AI Studio
- IBM Cloud Watsonx AI runtime
- IBM Cloud Agent Lab
- IBM Cloud Storage
- IBM Cloud Deployment

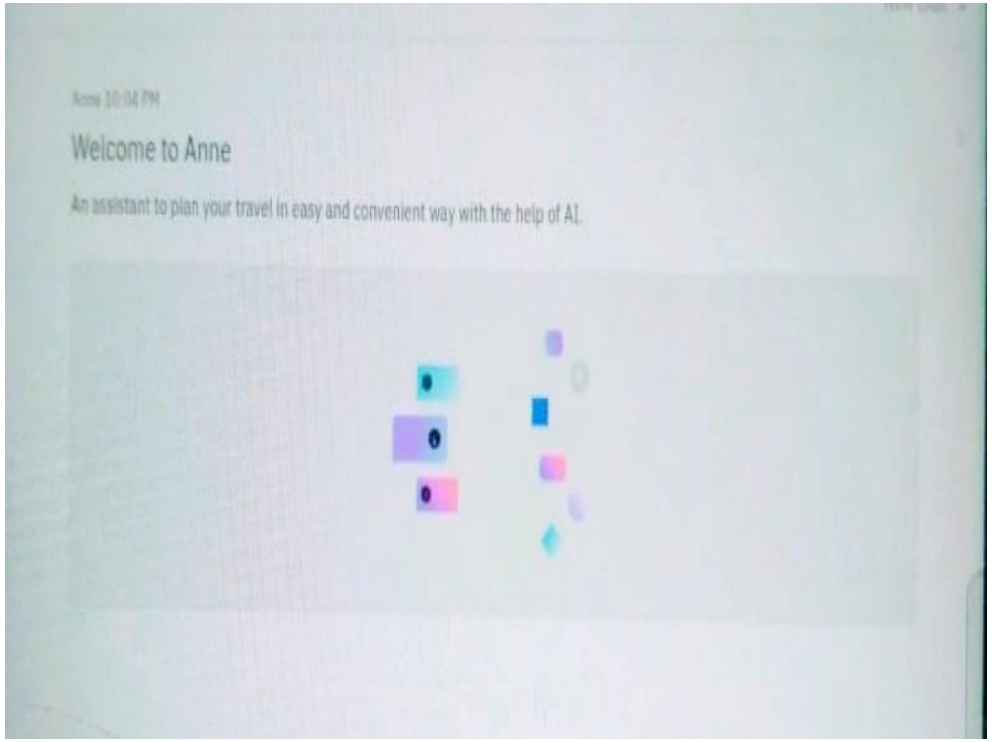
WOW FACTORS

- The design is very interactive for the users to use and plan their travel ideas to reality with the help of AI
- The agent is capable of giving travel planner and corresponding activities for given number of days as per the requirements of the user.
- The interface is user friendly so that user can easily search for the data and further make changes if required.
- Searches for the information in different platforms and then provide relevant plans for the travel.

END USERS

- Solo travelers
- Occasional traveler
- Family travel planning
- For friends out

RESULTS


Welcome to Anne
An assistant to plan your travel in easy and convenient way with the help of AI.

You 10:04 PM
Travel plan to Paris for 5 days
Anne 10:04 PM
Based on the search results, here is a suggested 5-day travel plan to Paris:
Day 1: Famous Paris sights
Arrival to Paris
Arc de Triomphe
Jardins du Trocadéro
Seine cruise
Dinner
Eiffel Tower
Day 2: Explore the city's true potential
Morning: Follow the Marais walk and tour the Carnavalet
Lunch on Place des Vosges or Rue des Rosiers
Afternoon: Choose from various activities such as visiting the Louvre, Notre Dame, or the Arc de Triomphe

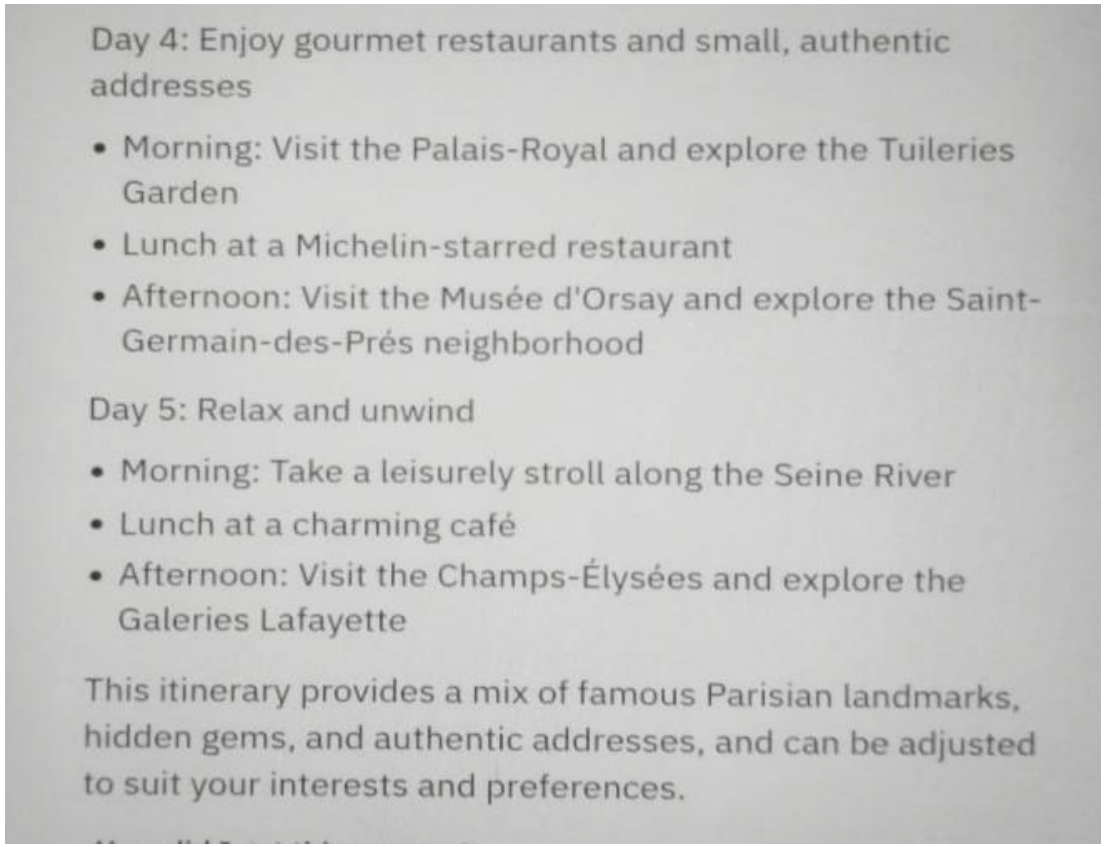
RESULTS

- Morning: Follow the Marais walk and tour the Carnavalet
- Lunch on Place des Vosges or Rue des Rosiers
- Afternoon: Choose from various activities such as visiting the Louvre, Notre Dame, or the Arc de Triomphe

Day 3: Discover hidden gems and authentic addresses

- Morning: Visit the Sacre Coeur and explore the Montmartre neighborhood
- Lunch at a local bistro
- Afternoon: Browse through bookshops and visit the Luxembourg Gardens

Day 4: Enjoy gourmet restaurants and small, authentic addresses



Day 4: Enjoy gourmet restaurants and small, authentic addresses

- Morning: Visit the Palais-Royal and explore the Tuileries Garden
- Lunch at a Michelin-starred restaurant
- Afternoon: Visit the Musée d'Orsay and explore the Saint-Germain-des-Prés neighborhood

Day 5: Relax and unwind

- Morning: Take a leisurely stroll along the Seine River
- Lunch at a charming café
- Afternoon: Visit the Champs-Élysées and explore the Galeries Lafayette

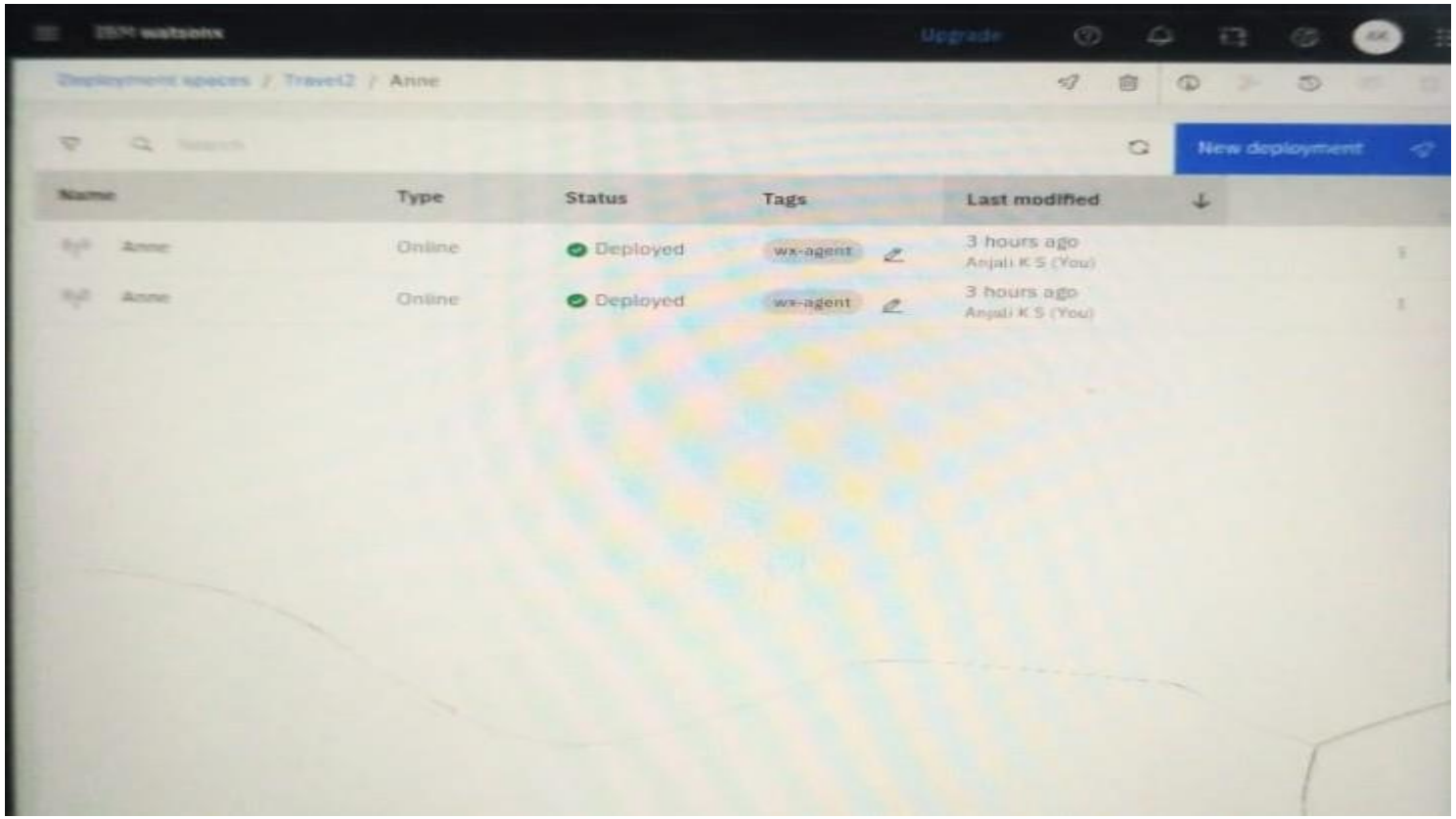
This itinerary provides a mix of famous Parisian landmarks, hidden gems, and authentic addresses, and can be adjusted to suit your interests and preferences.

RESULTS

Further if we want to ask anything then we can do it.

RESULTS

Deployed AI Agent



CONCLUSION

- The agent can generate a plan for the travelling based on the requirements of the user.
- It predicts the plan based on the destination, time of travel and other factors that the user needs.
- The user can further customize the response on telling what to do like number of days of travel, places to add or remove, time changes, etc.
- This helps users to make plan as they need and do not make anyone follow a schedule that is provided and is flexible to change to new changes.

GITHUB LINK

- GitHub link: https://github.com/Anjali-K-S25/Travel

FUTURE SCOPE

- Personalized Travel Planning
- AI-Powered Customer Support
- Real-Time Booking System
- Data-Driven Marketing
- Secure Data Handling
- Mobile-First Travel Apps

IBM CERTIFICATIONS

IBM **SkillsBuild** Completion Certificate

This certificate is presented to

Anjali.K.S

for the completion of

Lab: Retrieval Augmented Generation with LangChain

(ALM-COURSE_3824998)

According to the Adobe Learning Manager system of record

Completion date: 25 Jul 2025 (GMT) **Learning hours:** 20 mins

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THANK YOU

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