Travel Planner Agent

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OUTLINE

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Problem Statement

The Challenge - A Travel Planner Agent is an Al-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.

Proposed Solution

An AI Agent powered by Retrieval-Augmented Generation (RAG), using IBM Cloud & Granite, to answer user queries, guide financial decisions, and educate people on secure digital finance

TECHNOLOGY USED

- □IBM Cloud Lite Services
- □IBM Watsonx Al Studio
- □IBM Granite Foundation Model
- □Retrieval-Augmented Generation (RAG)
- □Natural Language Processing (NLP)
- □Multilingual Support
- ☐Secure API Integrations with Govt/Bank portals

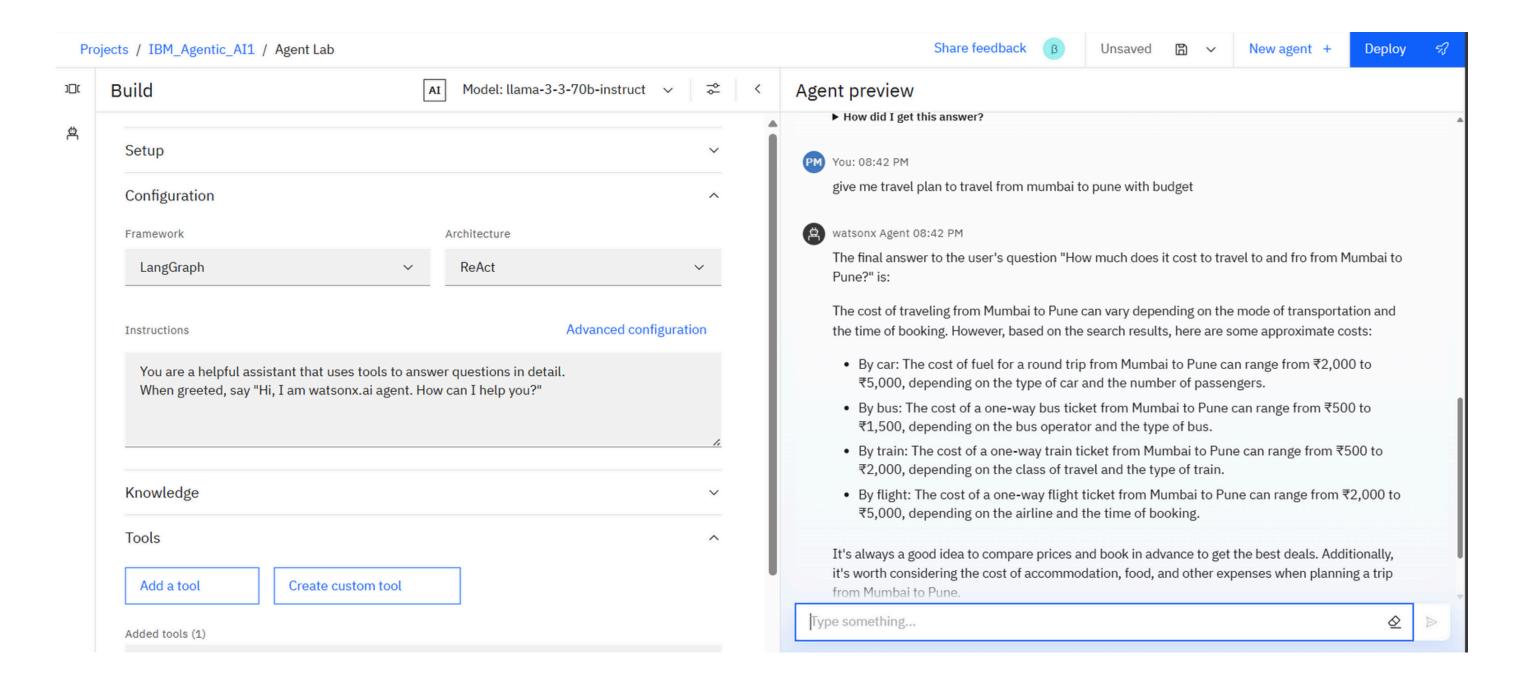
IBM CLOUD SERVICES USED

- ☐ IBM Cloud Watsonx AI Studio
- ☐ IBM Cloud Watsonx AI runtime
- ☐ IBM Cloud Agent Lab
- ☐ IBM Granite foundation model

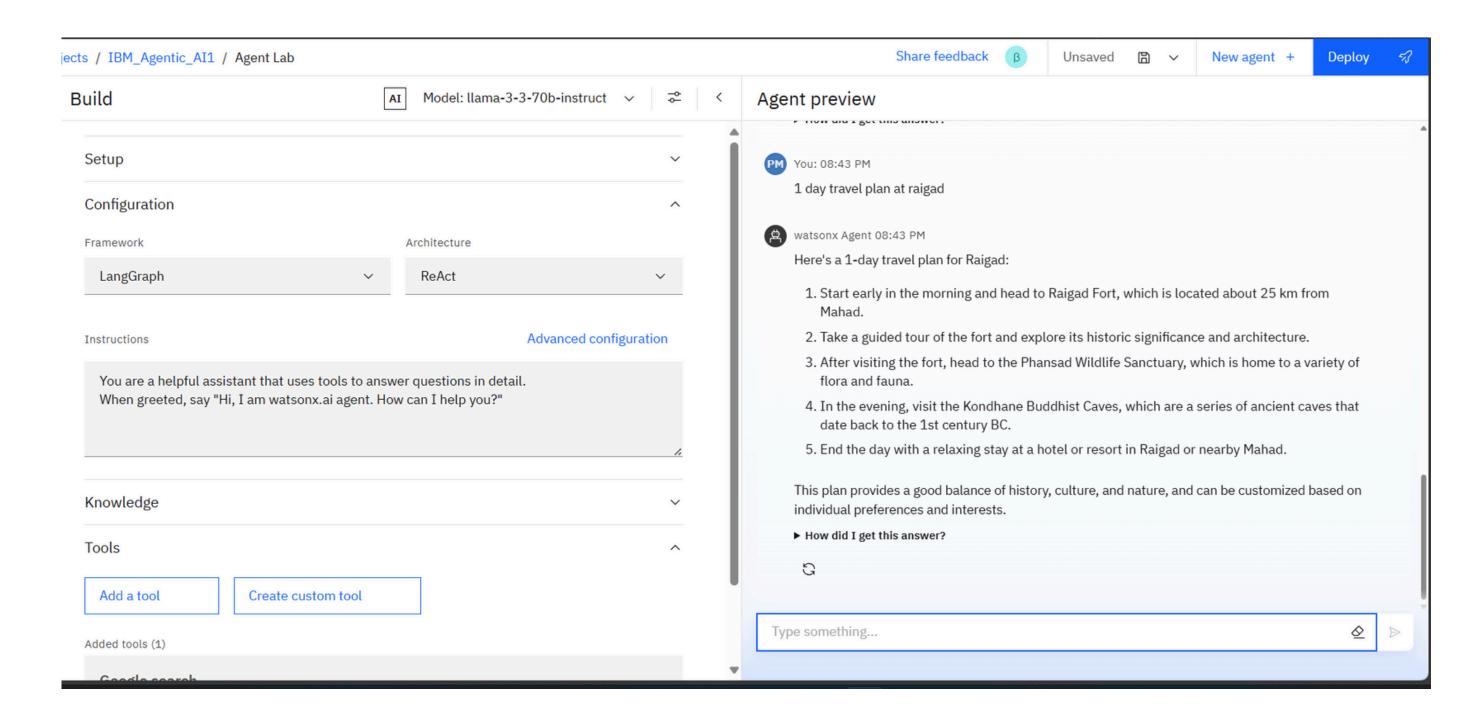
End Users

- 1. Individual Travelers
- 2. Working Professionals
- 3. Senior Citizens
- 4. Travel Agencies and Agents
- 5. Foreign Tourists

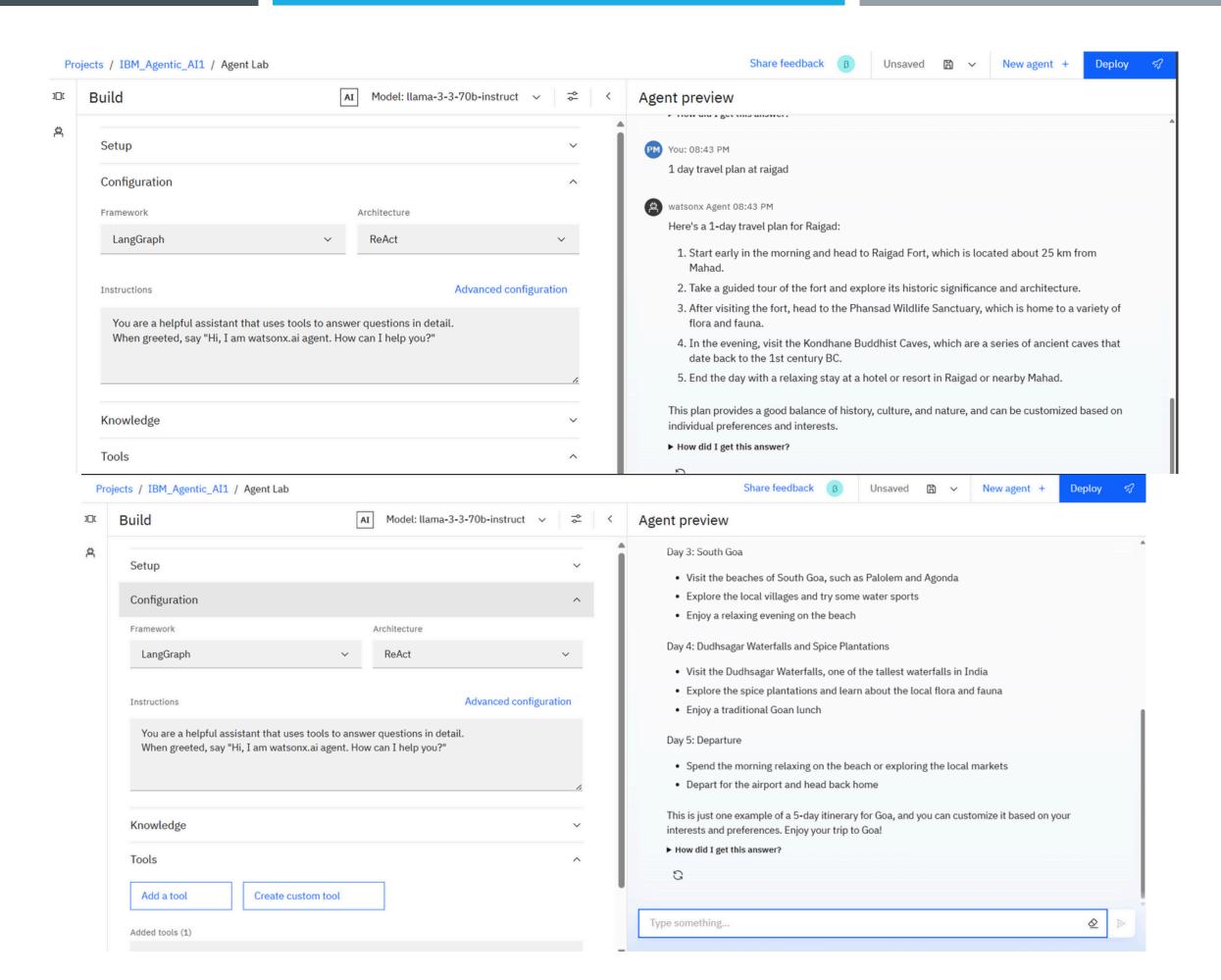
Result Preview:



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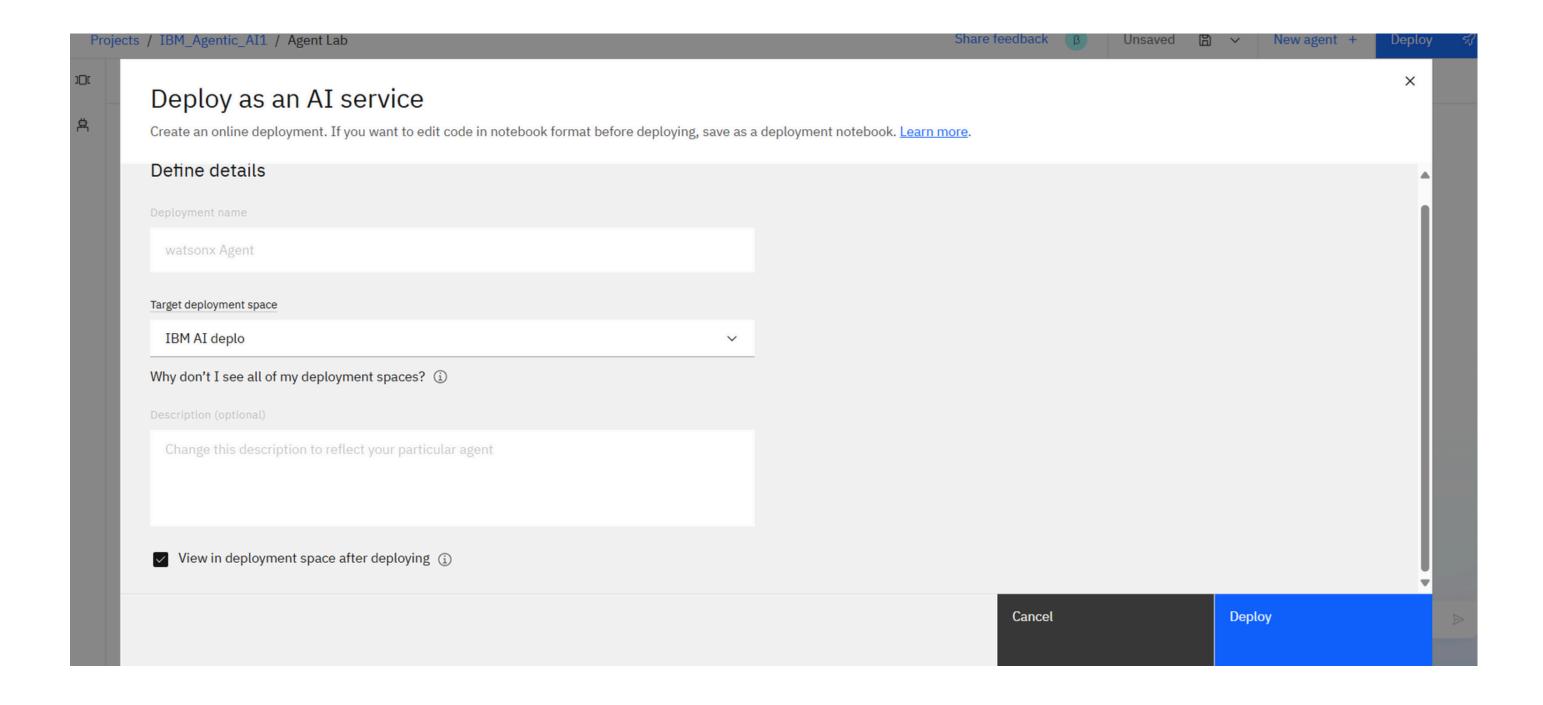


Result Preview:



Result

CREATING DEVELOPMENT SPACE



Result

DEVELOPMENT:

IBM AI deplo



Conclusion

- ☐ Built on IBM Cloud Lite, integrated with Granite LLM and RAG architecture, the agent sources updated, trustworthy data from travel portals, tourism boards, and booking services.
- ☐ Suggests cost-effective and optimized travel itineraries
- ☐ Helps compare transportation and accommodation options
- ☐ Offers weather, visa, and safety information
- ☐ Enhances decision-making through alerts and personalized recommendations

Future scope

- ☐ Generate AI-powered travel summaries and cost reports to help users analyze and optimize their trips
- ☐ Expand into local tourism, eco-tourism, and international travel assistance
- ☐ Collaborate with transport services, hotel chains, and tourism boards to offer real-time, personalized

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Completion Certificate



This certificate is presented to

Sumit Mohan Kadam

for the completion of

Lab: Retrieval Augmented Generation with LangChain

(ALM-COURSE_3824998)

According to the Adobe Learning Manager system of record

Completion date: 23 Jul 2025 (GMT)

Learning hours: 20 mins



Github link:

https://github.com/sumiit10/IBM Project

THANK YOU