IBM SKILL BUILD PROJECT

COLLEGE ADMISSION AI AGENT

Presented By

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OUTLINE

- **Problem Statement**

- **Technology used**

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- **Result**

- **Conclusion**

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- **Future scope**

- **IBM Certifications**

PROBLEM STATEMENT

➢ The college admission process involves numerous queries related to eligibility, fees, courses, and deadlines

➢ Traditional methods of addressing inquiries (manual responses, email queries) are time-consuming and prone to delays. Students often face difficulty accessing accurate, up-to-date admission information.

There is a need for an intelligent system that can

➢ Retrieve admission-related data from trusted institutional sources. Provide instant, accurate, and natural language responses to students.

TECHNOLOGY USED

➤ IBM Cloud Lite Services Cloud Object Storage (for storing documents and datasets)

➤ Watsonx.ai Runtime (for AI model execution)

➤ IBM Granite LLM (Foundation Model for text generation)

➤ Retrieval-Augmented Generation (RAG)Combines document retrieval with AI reasoning for context-based answers

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IBM CLOUD SERVICES USED

➢ IBM Cloud Watsonx AI Studio

➢ IBM Cloud Watsonx AI runtime

➢ IBM Cloud Agent Lab

➢ IBM Granite foundation model

WOW FACTORS
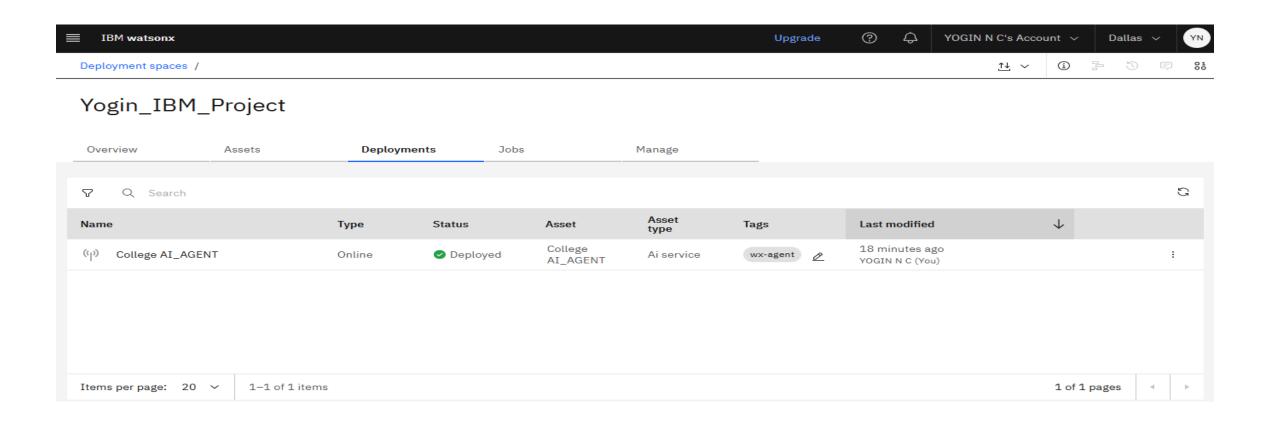
➤ Real-time, document-aware Q&A using institutional data

➤ Powered by Granite, IBM's large language model optimized for enterprise AI

➤ Supports natural language queries without requiring technical knowledge

➤ Retrieves the most relevant, trusted, and updated admission details instantly

➤ Can handle multiple queries simultaneously, improving efficiency

➤ Scalable and adaptable for any institution's database
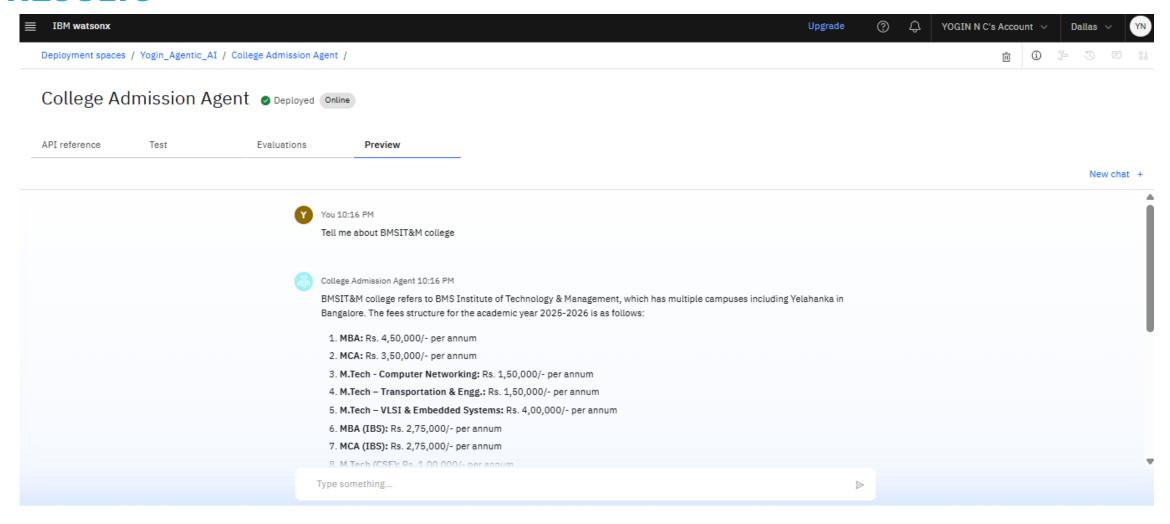
END USERS

➢ Prospective Students – Quick access to course and admission info

➢ Parents/Guardians – Fee structure and process clarification

➢ College Admission Offices – Reduced manual inquiry load

➢ Counselors/Education Consultants – Up-to-date admission guidelines

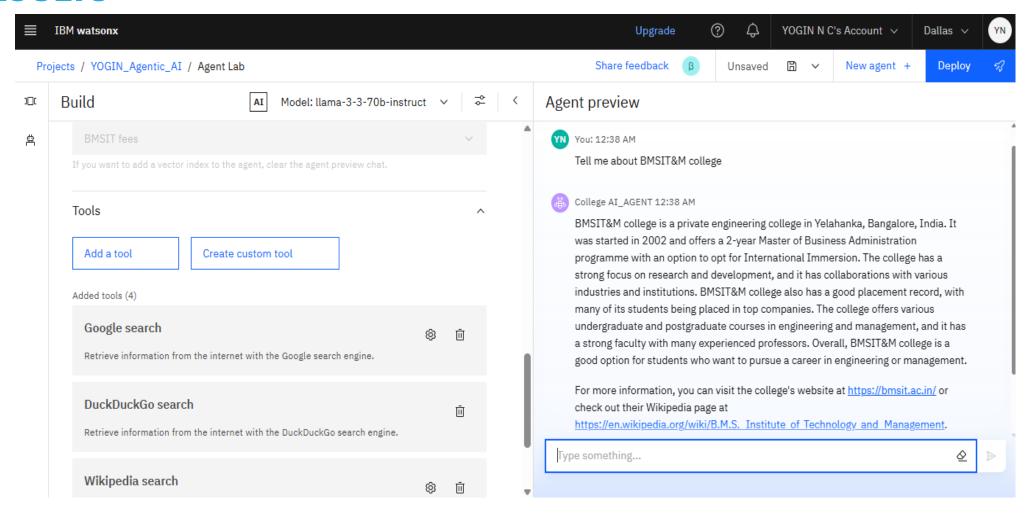➢ International Applicants – Accessible answers without time zone barriers
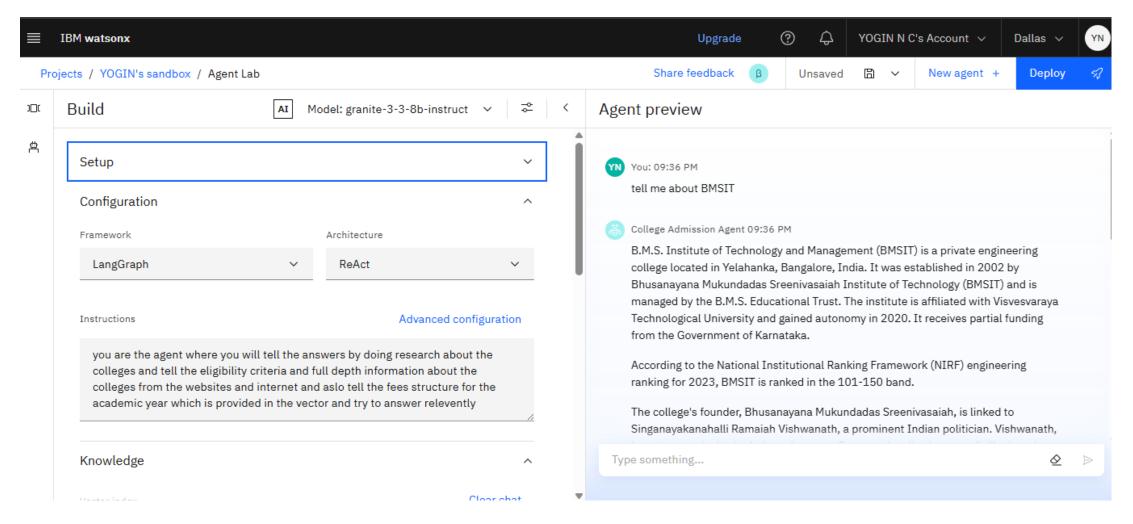
RESULTS

Deployment of the AI Agent

RESULTS

Testing AI AGENT after Deployment

RESULTS

Building of the AI Agent

RESULTS

**Building and testing of the AI Agent using
IBM Granite LLM model**

CONCLUSION

➢ Successfully deployed an AI-driven admission assistant on IBM Cloud

➢ Integrated RAG pipeline with Granite LLM to retrieve answers from official

documents

➢ Reduced average response time for queries from hours/days to seconds

➢ Provided consistent and accurate answers from verified sources

➢ Improved transparency in the admission process

GITHUB LINK

- https://github.com/Yoginsjce/IBM-edunet-internship

FUTURE SCOPE

➢ Integrate multi-language support for regional and international applicants.

➢ Add voice-based interaction for accessibility.

➢ Expand to course recommendations based on student profile.

➢ Enable real-time application status tracking.

➢ Connect to external education databases for scholarship and exam updates.

IBM CERTIFICATIONS

IBM **SkillsBuild**   Completion Certificate

This certificate is presented to

YOGIN NC

for the completion of

Getting Started with Artificial Intelligence

(PLAN-E624C2604060)

According to the Your Learning Builder - Plans system of record

Completion date: 23 Jul 2025 (GMT)

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THANK YOU