IBM HACKATHON PROJECT

INTERVIEW TRAINER AGENT

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For Women – Computer Science And Engineering



OUTLINE

- Problem Statement
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PROBLEM STATEMENT

- Job seekers often feel unprepared for interviews because they don't know:
- What types of questions will be asked
- What kind of answers interviewers expect
- How to build confidence and improve soft skills
- Even experienced candidates struggle to tailor their preparation based on different job roles, companies, or levels of experience.



TECHNOLOGY USED

- IBM Cloud (Lite Services)
- IBM Watsonx.ai Runtime
- Retrieval-Augmented Generation (RAG)
- Vector Indexing
- IBM Granite



IBM CLOUD SERVICES USED

- IBM Cloud Watsonx Al Studio
- IBM Cloud Watsonx Al runtime
- IBM Cloud Agent Lab
- IBM Granite foundation model



WOW FACTORS

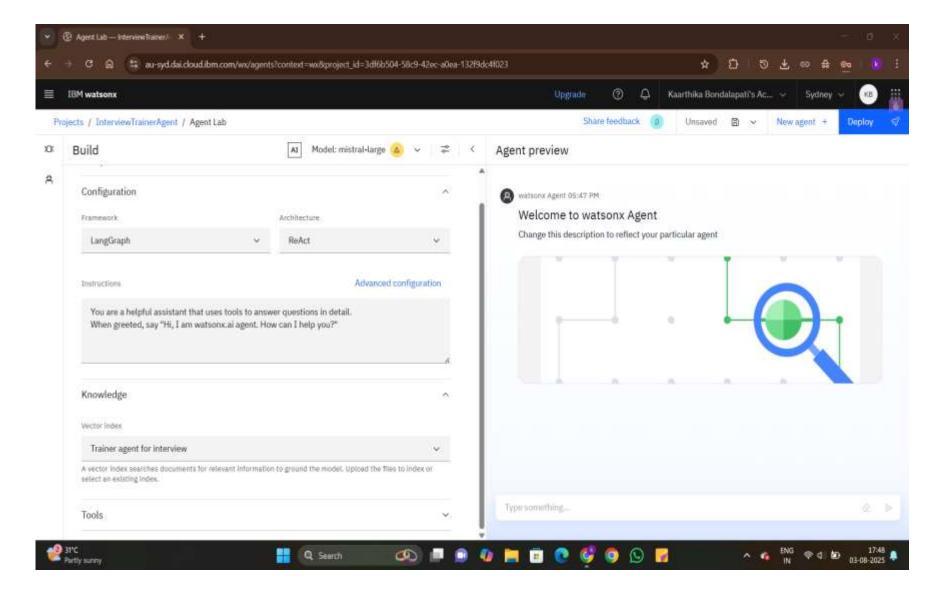
- Personalized Q&A based on job title (e.g. "Java Developer Fresher")
- Pulls content from uploaded docs like InterviewTips, RoleQnA, etc.
- Can behave like a chatbot for live practice
- Offers both technical and behavioral questions
- Uses IBM's Granite model for real-time, contextual answers
- Auto-generates suggestions for improvement



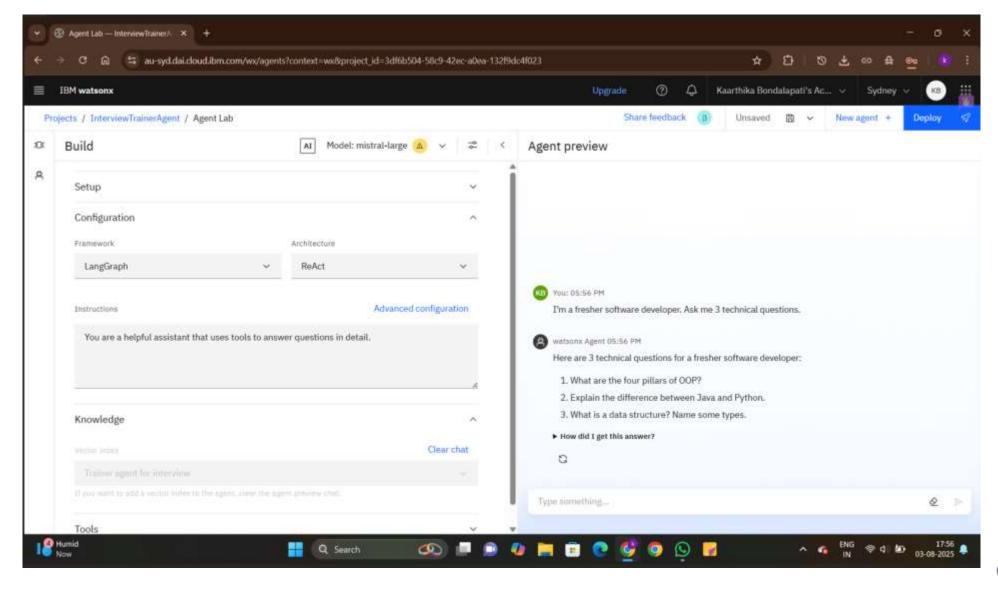
END USERS

- Freshers applying for internships and jobs
- Final year students preparing for campus placements
- Professionals switching domains (e.g. from Testing to DevOps)
- Training institutes and interview coaching centers

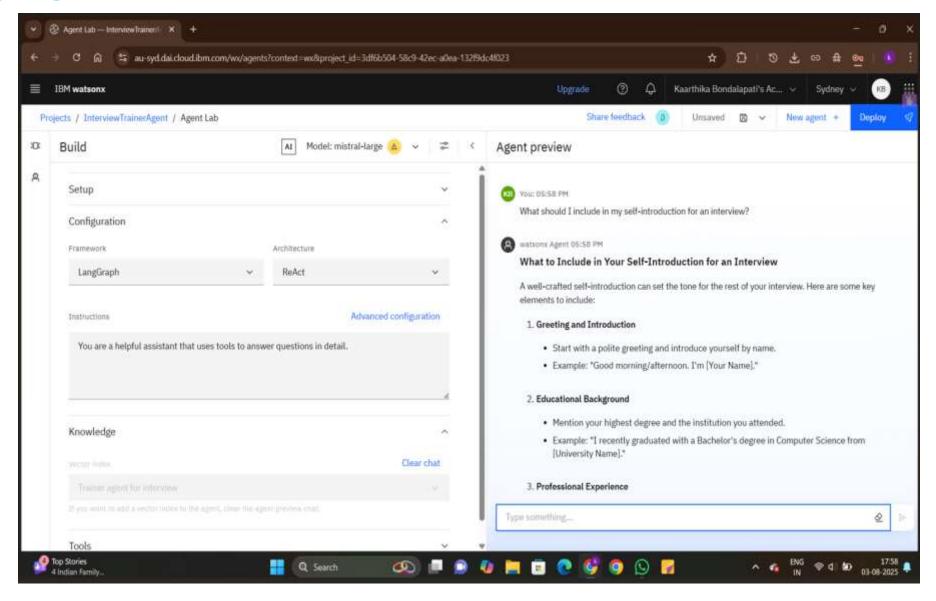






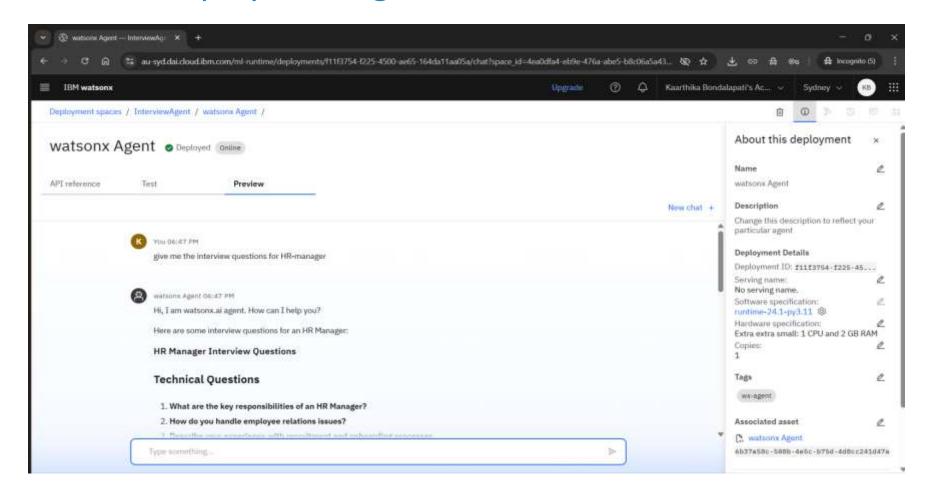








Deployed AI Agent





CONCLUSION

The Interview Trainer Agent uses IBM Watsonx.ai and RAG to help users prepare for interviews by answering HR, technical, and resumerelated queries. It offers smart, real-time support through a vectorbased knowledge system deployed on IBM Cloud.



FUTURE SCOPE

- Add voice-based interaction for a more natural experience
- Provide personalized feedback based on user responses
- Integrate real-time job market trends and data
- Support multiple languages for wider accessibility
- Include mock interview simulations using advanced Al
- Track user progress and suggest improvement areas
- Enable integration with resume-building and job portals



IBM CERTIFICATIONS

In recognition of the commitment to achieve professional excellence



kaarthika bondalapati

Has successfully satisfied the requirements for:

Getting Started with Artificial Intelligence



Issued on: Jul 15, 2025 Issued by: IBM SkillsBuild

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Completion Certificate | SkillsBuild

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Completion Certificate



This certificate is presented to

kaarthika bondalapati

for the completion of

Lab: Retrieval Augmented Generation with LangChain

(ALM-COURSE_3824998)

According to the Adobe Learning Manager system of record

Completion date: 24 Jul 2025 (GMT)

Learning hours: 20 mins



GITHUB LINK

GitHub Repository Link:

https://github.com/Kaarthika-0927/Interview_Trainer_Agent



THANK YOU

