# IBM Watsonx.ai Project

# INTERVIEW TRAINER AGENT

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For Women – Computer Science And Engineering



# **OUTLINE**

- Problem Statement
- Technology used
- Wow factor
- End users
- Result
- Conclusion
- Git-hub Link
- Future scope
- IBM Certifications



# 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**

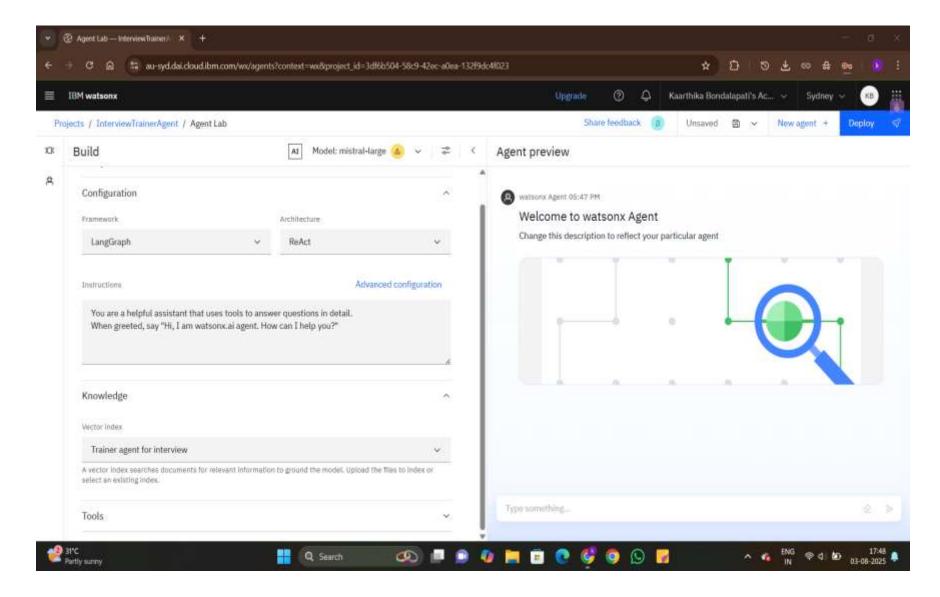
- Personalized Q&A based on job title (e.g. "Java Developer Fresher")
- Pulls content from uploaded docs like InterviewTips, RoleQnA, etc.
- Can behave like a chatbot for live practice
- Offers both technical and behavioral questions
- Uses IBM's Granite model for real-time, contextual answers
- Auto-generates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



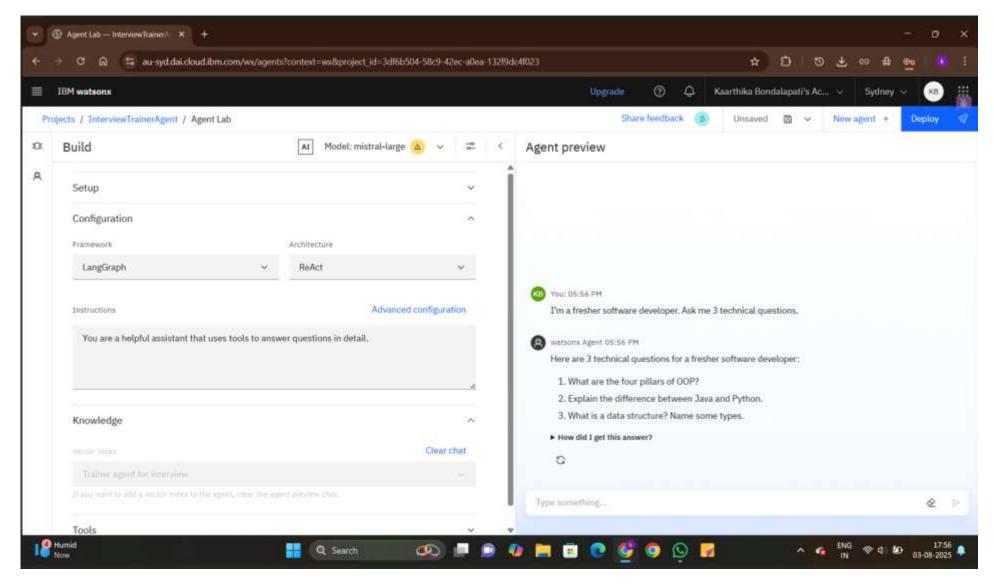
#### **END USERS**

- 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

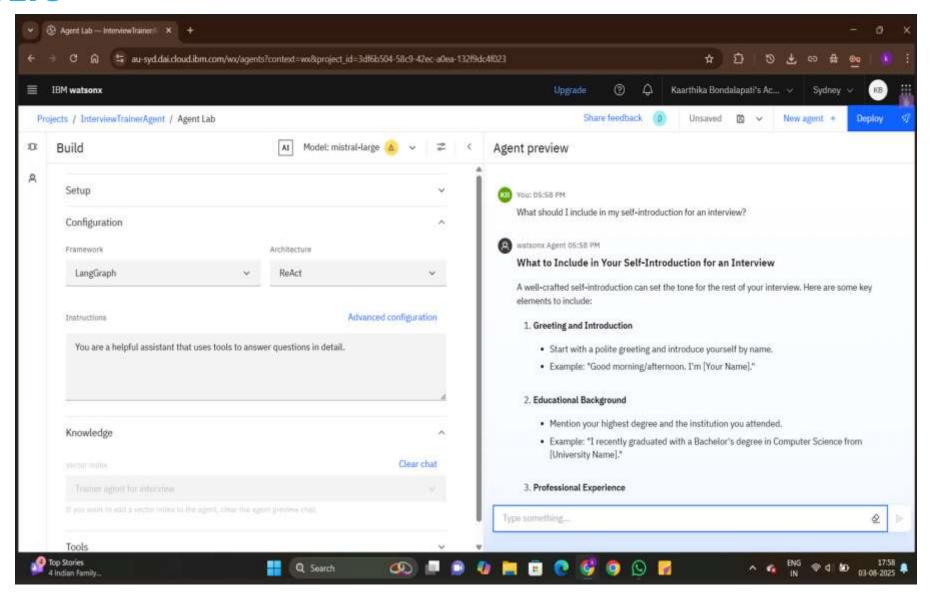






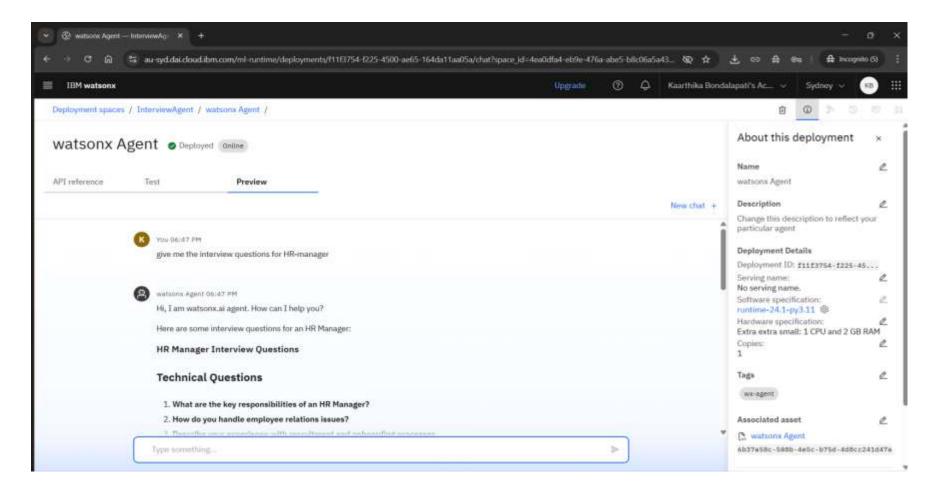








# Deployed AI Agent





#### 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







7/24/25, 8:02 PM

Completion Certificate | SkillsBuild

#### IBM SkillsBuild

#### 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/tree/main



# **THANK YOU**

