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# IBM AICTE PROJECT

## INTERVIEW TRAINER AGENT

**Presented By:**

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# OUTLINE

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

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# PROBLEM STATEMENT

Job interview preparation is often generic and not specifically tailored to the unique needs of each candidate, such as their role, experience level, and industry trends. Candidates frequently struggle to find realistic, role-specific questions and personalized feedback that address both technical expertise and soft skills, which are crucial for overall interview success. Existing tools largely overlook the importance of behavioral and communication skills assessment, creating a gap in truly comprehensive interview preparation

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# TECHNOLOGY USED

IBM cloud lite services

Natural Language Processing (NLP)

Retrieval Augmented Generation (RAG)

IBM Granite model

# IBM CLOUD SERVICES USED

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

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# WOW FACTORS

The Interview Trainer Agent addresses these challenges by using Retrieval-Augmented Generation (RAG) technology combined with IBM Granite and Cloud Lite services. This enables the agent to provide context-aware, up-to-date, and role-specific interview questions, model answers, and improvement tips. It adapts dynamically to each user's profile, supports both technical and soft skill preparation, and even offers simulated interview environments, making preparation smarter, personalized, and effective.

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## END USERS

- Academic Researchers
- Research Institutions and Universities
- Industry R&D Teams
- Educators

# RESULTS

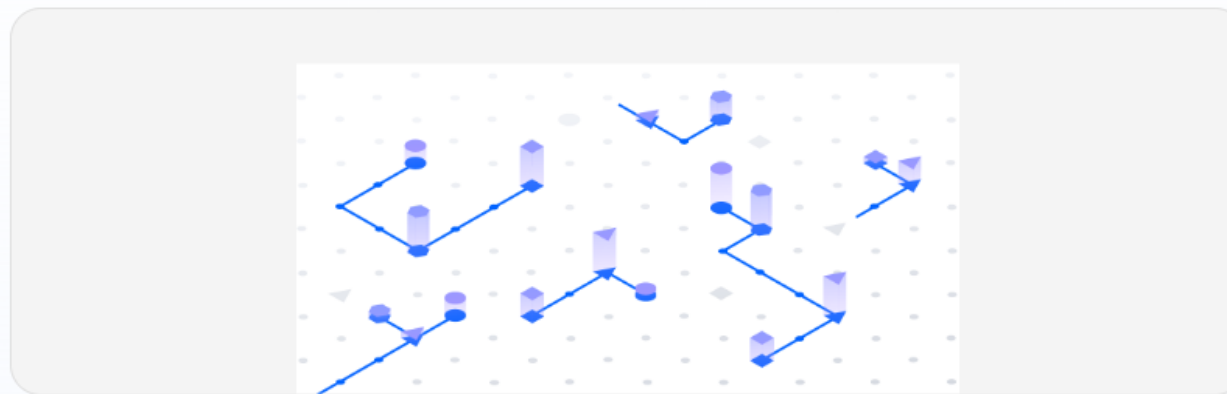
## Agent preview



Interview Trainer Agent 11:02 PM

Welcome to Interview Trainer Agent

Ask any doubt related to Interview!



Type something...





# RESULTS

## Agent preview



You: 11:07 PM

Can you simulate a mock interview and evaluate my answers for both technical skills and soft skills?



Interview Trainer Agent 11:07 PM

Sure, I can help you with that. Here are some common interview questions that you can practice:

1. "Tell me a little about yourself."
2. "What are your biggest weaknesses?"
3. "What are your strengths?"
4. "Why should we hire you?"
5. "What accomplishment are you most proud of?"
6. "How do you handle stress and pressure?"
7. "Describe a time when you had to work as part of a team."
8. "How do you handle conflict in the workplace?"
9. "What are your long-term career goals?"
10. "Do you have any questions for us?"

You can find more interview questions and tips on how to answer them on websites like LinkedIn, The Muse, and Indeed. There are also resources available on Reddit and university career services websites.

Type something...



# RESULTS

## Agent preview



You: 11:07 PM

Can you help me prepare for situational and HR interview scenarios?



Interview Trainer Agent 11:07 PM

Sure, I can help you with that. Situational and HR interview questions are designed to assess your problem-solving skills, behavior, and cultural fit. Here are some common situational and HR interview questions that you can practice:

1. "Describe a time when you had to deal with a difficult customer or client. How did you handle the situation?"
2. "Tell me about a time when you had to meet a tight deadline. How did you manage your time?"
3. "Give an example of a time when you had to work with a team to achieve a goal. What was your role, and what was the outcome?"
4. "Describe a situation where you had to adapt to a significant change. How did you handle it?"
5. "Tell me about a time when you made a mistake. How did you handle it, and what did you learn from the experience?"
6. "How do you handle feedback or criticism?"
7. "Describe a time when you had to make a difficult decision. What was the outcome, and what did you learn from the experience?"
8. "Tell me about a time when you had to deal with a conflict in the workplace. How did you handle it?"

Type something...



git-hub link - [pranjalikr/interview\\_agent](#)

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## CONCLUSION

- The Interview Trainer Agent transforms interview preparation into a personalized, intelligent, and comprehensive experience.
- It equips candidates with relevant, up-to-date content that enhances both their technical knowledge and soft skills.
- The solution boosts user confidence and improves their chances of success in competitive hiring processes.
- IBM Granite and Cloud Lite technology provide a scalable, enterprise-grade AI infrastructure ensuring accessibility and reliability.

# FUTURE SCOPE

- Integrate with company-specific interview databases for highly customized preparation.
- Expand to support multiple regional and international languages.
- Connect with learning platforms to generate personalized study plans based on identified weak areas.
- Provide performance analytics and benchmarking tools for candidates and recruiters.

# IBM CERTIFICATIONS

In recognition of the commitment to achieve  
professional excellence



## Pranjali Kargaonkar

Has successfully satisfied the requirements for:

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### Getting Started with Artificial Intelligence

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Issued on: Mar 03, 2025  
Issued by: IBM SkillsBuild

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IBM **SkillsBuild**

Completion Certificate



This certificate is presented to

Pranjali Kargaonkar

for the completion of

# **Lab: Retrieval Augmented Generation with LangChain**

(ALM-COURSE\_3824998)

According to the Adobe Learning Manager system of record

**Completion date:** 20 Jul 2025 (GMT)

**Learning hours:** 20 mins

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***THANK you***