
AGENTIC AI PROJECT

INTERVIEW TRAINER AGENT

Presented By: MYSELF (BAGYASRI)

Student name :NARINDI BAGYASRI

College Name & Department : Georgia State University (CSE)

OUTLINE

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

PROBLEM STATEMENT

An Interview Trainer Agent, powered by RAG (Retrieval-Augmented Generation), prepares users for job interviews by generating tailored question sets and preparation strategies based on their profile name, experience level, and job role.

Proposed Solution:

To address the challenge of personalized and effective interview preparation, we developed an **AI-powered Interview Trainer Agent** using IBM Cloud Lite and IBM Granite foundation models. This agent leverages **Retrieval-Augmented Generation (RAG)** to deliver dynamic, role-specific interview guidance.

TECHNOLOGY USED

- IBM cloud lite services
- Retrieval Augmented Generation (RAG)
- IBM Granite model
- IBM Cloud IAM

IBM CLOUD SERVICES USED

- IBM Cloud Watsonx.ai Studio
- IBM Cloud Watsonx .ai runtime
- IBM Cloud Agent Lab
- IBM Granite foundation model

WOW FACTORS

This AI agent transforms traditional interview preparation by offering highly personalized, interactive, and intelligent support—anytime, anywhere. It eliminates the need for expensive coaching and generic content, making interview readiness accessible and scalable.

Unique features:

- Role-Specific Interview Simulation
- Model Answers with Improvement Tips
- Resume-Based Customization
- Conversational Practice Mode
- Built with IBM Granite on Watsonx
- Progressive Learning Feedback Loop
- Secure, Scalable & Cloud-Based

END USERS

- College Students & Fresh Graduates
- Job Seekers & Working Professionals
- University Career Services & Placement Cells
- Career Coaches & Mentors
- HR Teams & Recruiters

RESULTS

IBM watsonx

Upgrade ⓘ 🔔

Bagya Sri Narindi's Account ▾ Dallas ▾ BN ⋮

Projects / Interview_Agent / Interview_Trainer_Agent

Share feedback ⓘ Autosave on 📁 ▾ New agent + Deploy 🔗 🔒 ⓘ

Build

AI

Model: granite-3-3-8b-instruct ▾ ⚙️ <

Setup ▾

Configuration ▴

Framework ▾ Architecture ▾

LangGraph ▾ ReAct ▾

Instructions [Advanced configuration](#)

Hi there! 🌟 I'm your Interview Trainer Agent. I can help you get ready for your next job interview by generating role-specific questions, model answers, and expert tips.

To get started, please tell me:

Knowledge ▾

Tools ▴

Add a tool

Create custom tool

Added tools (4)

Google search

Retrieve information from the internet with the Google search engine.

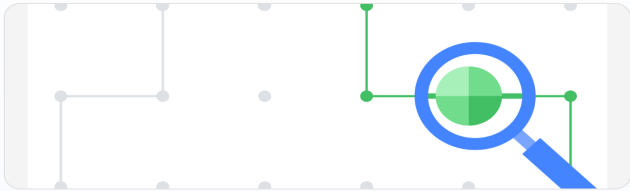
QuickStart Assistant

Agent preview

Interview_Trainer_Agent 06:23 PM

Welcome to Interview_Trainer_Agent

I'm your AI Interview Trainer- job title, experience level, resume-help you prepare for interview.



Type something... 🔗 ▶

RESULTS

Upgrade

?

🔔

Bagya Sri Narindi's Account

Dallas

BN

⋮

Feedback

Autosaved 6:27 PM

New agent +

Deploy

🔒

📄

Agent preview

BN

You: 06:26 PM

I'm currently studying (a master's student) left with 1 semester. when Can I start preparation or when can i start applying for jobs.

👤

Interview_Trainer_Agent 06:26 PM

As a master's student with just one semester left, it's a great time to start preparing for your job search. Here's a suggested timeline:

1. **Self-Assessment:** Begin by identifying your career goals and the type of role you're interested in. Review your coursework, projects, and internships to understand your strengths and areas for improvement.

2. **Resume and LinkedIn:** Update your resume and LinkedIn profile to reflect your recent academic achievements, projects, and any relevant skills. Highlight any internships or part-time jobs you've had.

3. **Networking:** Start reaching out to professionals in your field of interest. Attend career fairs, webinars, and alumni events (virtual or in-person) to expand your network.

4. **Interview Preparation:** Start preparing for interviews. Focus on both technical skills relevant to your field and soft skills like communication and problem-solving. Practice common interview questions and consider mock interviews with peers or mentors.

5. **Job Application:** Begin applying for jobs around 2-3 months before your expected graduation date. Many companies start their hiring process early for new graduates, so being prepared well in advance is beneficial.

6. **Informational Interviews:** Schedule informational interviews to learn more about specific

type something...

🗑️

➤

RESULTS

Upgrade

?

🔔

Bagya Sri Narindi's Account

Dallas

BN

⋮

edback

β

Autosaved 6:33 PM

📄

New agent +

Deploy

🔗

🔒

📘

Agent preview

different projects if required Documents and Information Required • Resume (in PDF format) • Latest academic transcript • Indicate your availability (start and end date) and expected graduation date in your resume

This is the full job description . Can you tell me what are the key factors to apply and for interview purpose what should I practice.

 Interview_Trainer_Agent 06:33 PM

Based on the job description for the Accenture Consulting Internship, here are the key factors to focus on for your application and interview preparation:

Application Focus:

- Academic Performance:** Highlight your strong academic record, as it's a crucial requirement. Ensure your transcript reflects a consistent pattern of good grades.
- Co-curricular Activities:** Showcase any relevant extracurricular activities, leadership roles, or volunteer work that demonstrates your skills and commitment.
- Interests in Consulting:** Express your genuine interest in consulting. Research Accenture Consulting and be ready to discuss what excites you about the field and how your skills align with the role.
- Technical Skills:** If you have programming skills, make sure to mention them. Even if you don't, emphasize your willingness to learn and adapt to new technologies quickly.
- Availability:** Clearly state your availability for the internship period (January to June 2025) in your resume.

Type something...

Upgrade

?

🔔

Bagya Sri Narindi's Account

Dallas

BN

⋮

edback

β

Autosaved 6:33 PM

📄

New agent +

Deploy

🔗

🔒

📘

Agent preview

Interview Preparation:

- Behavioral Questions:** Be prepared for behavioral questions that assess your problem-solving skills, teamwork, adaptability, and willingness to learn. Use the STAR method (Situation, Task, Action, Result) to structure your answers.
Example: "Tell me about a time when you had to solve a complex problem. How did you approach it?"
- Case Study Interviews:** Accenture is known for its case study interviews. Practice with sample cases that cover business problems, data analysis, and strategic thinking.
- Consulting-Specific Questions:** Familiarize yourself with common consulting interview questions, such as:
 - Why Consulting?
 - Why Accenture?
 - What interests you about our specific industry focus areas (CMT, Financial Services, Health & Public Service, Resources, Products)?
 - How would you handle a situation where client expectations are unclear or conflicting?
- Technical Questions:** Depending on your background, you might face technical questions related to data analysis, programming, or specific technologies. Brush up on your technical skills and be ready to discuss projects where you've applied them.
- Networking and Fit:** Be prepared to discuss your understanding of Accenture's culture, values, and recent news or projects. Show that you can contribute to their environment and align with their mission.

Type something...

RESULTS

Deployed AI Agent

IBM watsonx

Upgrade ⓘ 🔔

Bagya Sri Narindi's Account ▾ Dallas ▾ BN ⋮

Deployment spaces / Interview_Agent / Interview_Trainer_Agent /

Interview_Trainer_Agent ✔ Deployed Online

API reference Test **Preview**

New chat +

B

You 06:39 PM

Help me with amazon company interview. What are the questions I have to prepare.

Interview_Trainer_Agent 06:39 PM

To prepare for an Amazon interview, you'll need to focus on both technical and behavioral questions. Here are some tailored questions for you to prepare:

Technical Questions (Software Engineer role):

1. **Question:** Can you describe a complex algorithm you've implemented in the past? What were the challenges, and how did you overcome them? *Model Answer:* Discuss a problem where you had to design or implement a complex algorithm, such as a graph traversal, sorting, or searching algorithm. Explain the approach, trade-offs, and time/space complexity. Highlight any optimizations you made. *Improvement Suggestion:* Practice explaining algorithms clearly and concisely. Be ready to discuss trade-offs and edge cases.

2. **Question:** How do you ensure the quality of your code? *Model Answer:* Mention coding standards, code reviews, unit tests, and static code analysis. Discuss how you've applied these practices in your previous projects. *Improvement Suggestion:* Be familiar with various testing methodologies and tools. Show your commitment to writing clean, maintainable, and efficient code.

3. **Question:** How do you handle a situation where you encounter a bug that you can't resolve? *Model Answer:* Describe your

type something...

➤

CONCLUSION

- The agent can generate personalized interview questions, model answers, and actionable feedback based on the user's job role and experience.
- It saves time and improves preparation by automating mock interviews, resume-based question generation, and role-specific training.
- Interview Trainer Agents enhance confidence, communication skills, and overall readiness—helping candidates succeed in competitive hiring environments with minimal manual intervention.

FUTURE SCOPE

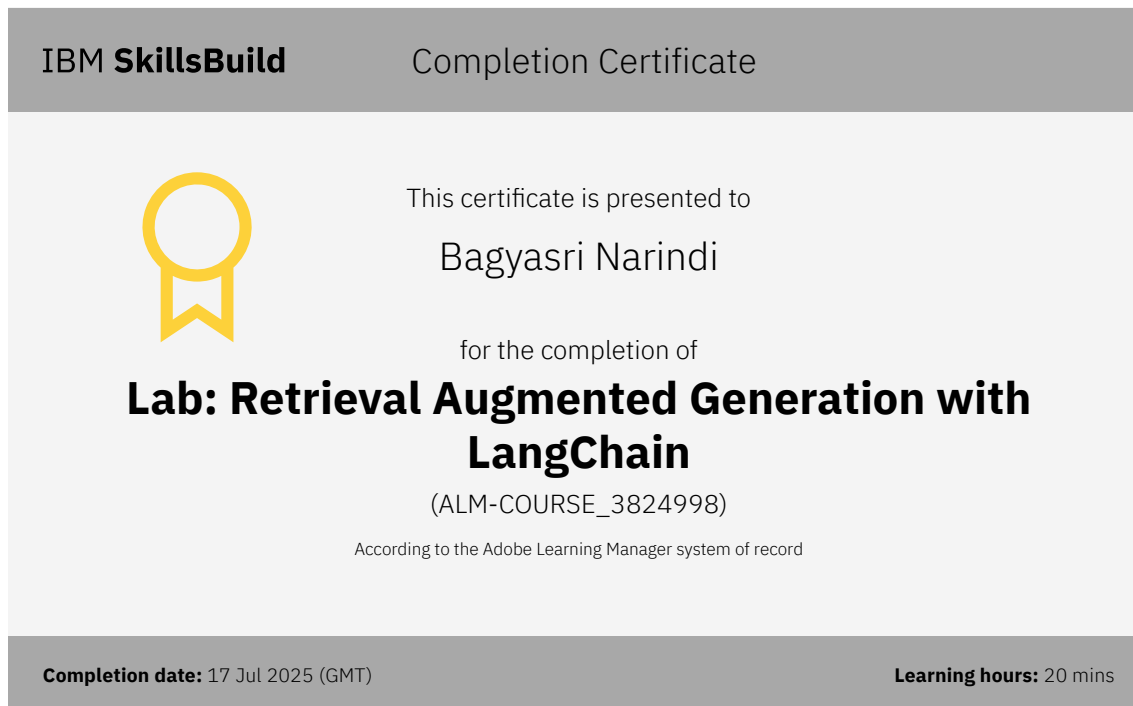
- Multilingual Interview Coaching
- Voice-Based Interview Simulations
- Automated Resume Evaluation
- Job Role Skill Gap Analysis
- Integration with Job Portals and Career Platforms
- Interview Analytics Dashboard

IBM CERTIFICATIONS

- Screenshot/ credly certificate(getting started with AI)



Attach your RAG LAB certificate here



Git hub link : https://github.com/Narindi12/Interview_Trainer_Agent

GITHUB LINK

- Make sure that there should be readme file

THANK YOU