

Take-Home Assignment: Build a Resume Review Agent

Overview

We're excited to see your skills in action! This assignment will evaluate your abilities in full-stack development, understanding of AI/agent architecture, creativity, and problem-solving skills. You will build a hosted, working solution that reviews resumes and provides personalized career guidance, acting as a career coach for users.

Assignment Details

Objective: Build an agentic platform that allows users to upload their resume. The system will review the resume and provide the user with:

- Personalized feedback on their resume.
- Next steps for their career growth.
- Specific advice to help them navigate their career path.

The platform may hosted AI solutions such as Groq or other APIs with free credits. Ideally the focus should be on the functionality of the application, especially on UX along with UI

Requirements

Core Features

1. Resume Upload:

- Allow users to upload their resume in PDF or Word format.
- Parse and analyze the uploaded resume.

2. AI-Powered Analysis:

- Use AI to review the resume and extract key insights (e.g., skills, experience, education).
- Generate actionable feedback based on the extracted information.
- Suggest potential career paths or next steps for improvement.

3. User Guidance:

- Provide coaching-like advice to help users figure out their career trajectory.

- #### 4. Full-Stack Implementation:

- ## Technical Requirements

- ## Deliverables

- ## Evaluation Criteria

1. **Functionality:**
 - Does the platform work as intended?
 - Are all core features implemented?

2. Understanding of AI and Agentic Architecture:

- Does the solution effectively leverage AI to deliver meaningful feedback?
- Is the architecture aligned with an agent-based design?

3. Code Quality:

- Is the code clean, readable, and well-structured?
- Are best practices followed?

4. Creativity:

- How innovative and user-friendly is the solution?
- Does it go beyond basic functionality to deliver a unique experience?

5. Presentation:

- Is the hosted solution accessible and well-documented?
 - Are instructions clear for reviewers to understand and test?
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Submission Instructions

1. Submit your hosted application link, GitHub repository link, and any additional deliverables to [provide email/portal details].
 2. Deadline: **5 working days** (ensure your submission is complete before this date).
 3. Be prepared to:
 - Walk us through your code during the final interview.
 - Explain your approach, choices, and how the agentic architecture is implemented.
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Additional Notes

- There is no single "right" way to complete this assignment—we encourage creativity and innovative problem-solving.
- You will not be judged on how polished the UI is, but clarity and ease of use will be appreciated.
- Focus on delivering a functional and insightful solution that demonstrates your understanding of the problem and your technical skills.

Good luck, and we're excited to see what you build! 🚀