



# Bajaj Institute of Technology, Wardha

## Department of Computer Engineering

Project Phase - I (BTCOS708)

# **Naukri Sahayak : An AI Mock Interview Application**

## Project Members

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## Guided By:

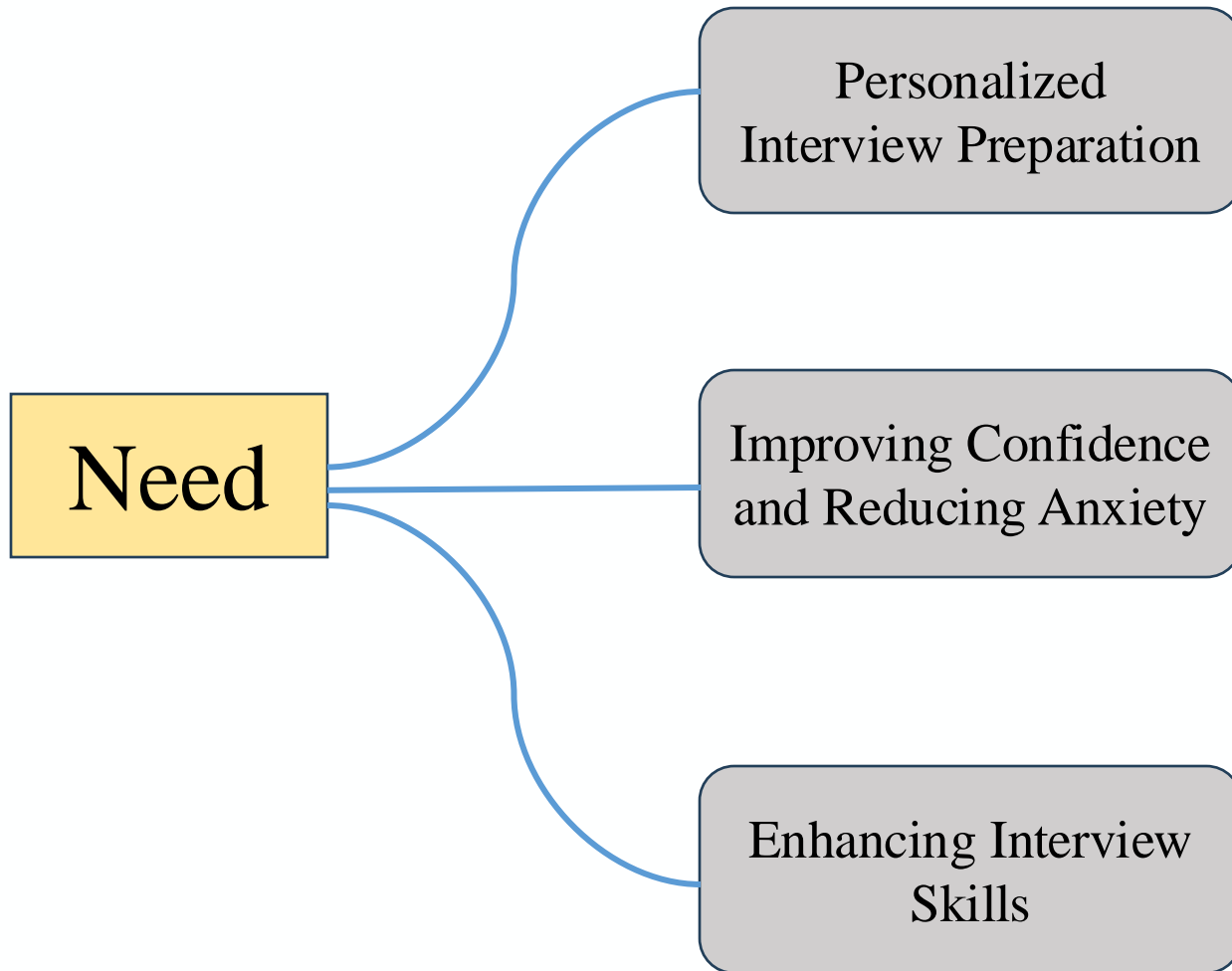
Prof. Akshay K. Saraf  
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# 1. Introduction



- ❖ In an increasingly competitive job market, candidates need to be well-prepared for interviews.
- ❖ Our application addresses this need by providing a comprehensive tool for interview preparation.
- ❖ Preparing users for online interviews.
- ❖ Provide Feedback to users based on interview performance.
- ❖ Allows users to practice interviews on-demand, making it a time-efficient way to prepare for upcoming interviews.

## 2. Why we need Application?



### Problems

- Lack of Real-World Experience
- Limited Access to Personalized Practice
- Interview Anxiety and Lack of Confidence
- Insufficient Feedback Mechanisms
- Difficulty in Keeping Up with Industry Trends
- Inadequate Development of Soft Skills

# 3. Objectives and Scope

- ❖ **Personalized Learning**
- ❖ **Simulate Real-World Interview Environment**
- ❖ **Accessibility and Convenience**
- ❖ **Wide Range of Domains**
- ❖ **Personalized Learning**
- ❖ **User-Friendly Interface**
- ❖ **Question Generation**
- ❖ **Feedback Generation**

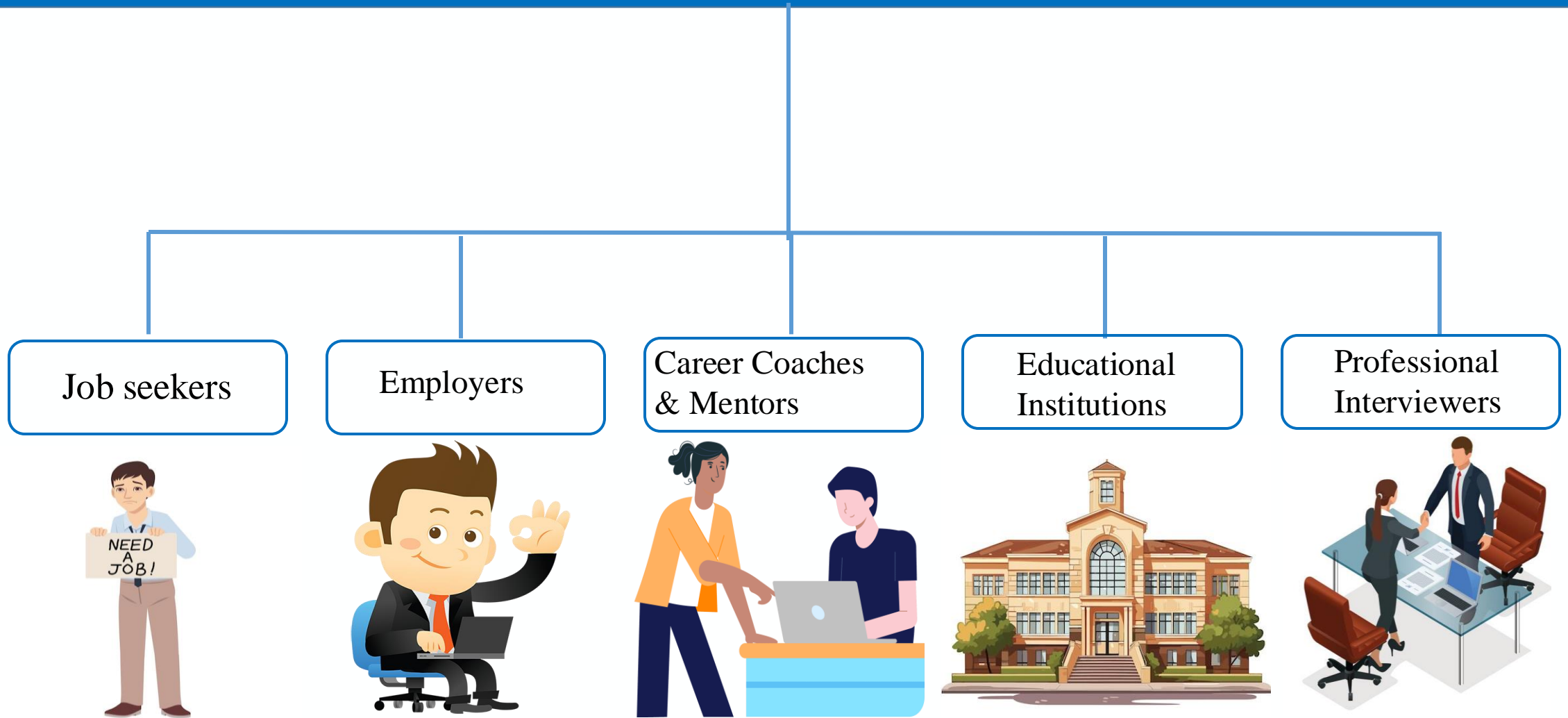


# 4. Literature Survey.

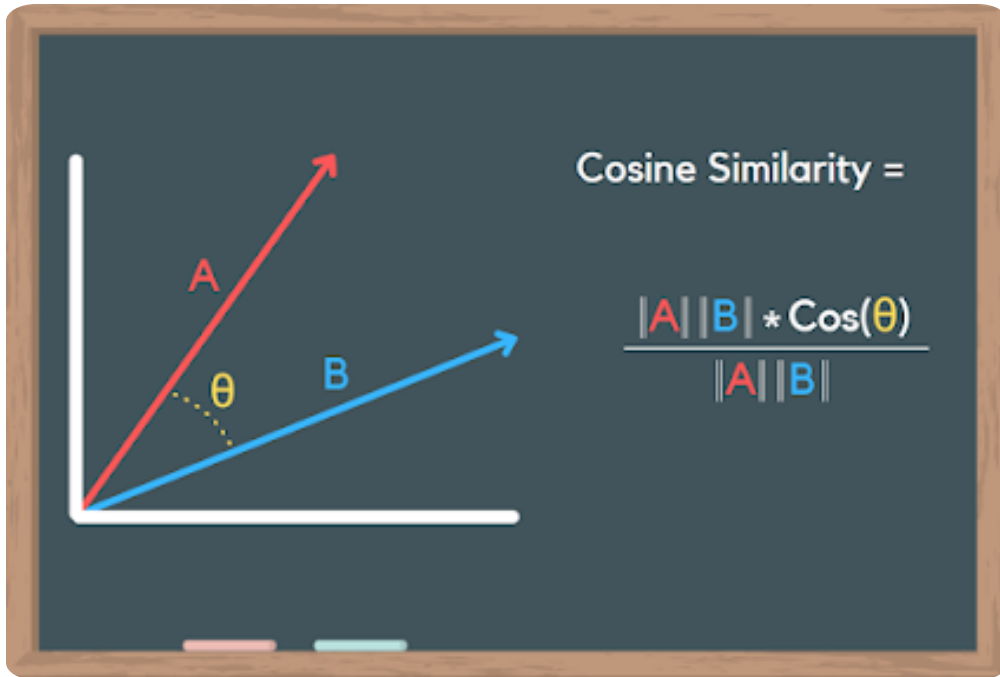
Sr. No.	Paper Details	Work reported
1.	<b>Skillup Bot: An AI-Driven Mock Interview Platform:-</b> Shashank Rail, Alisha Miranda, Samiya Jagirdar, Prof. Nidhi Chitalia, Apr 2024	In the contemporary job market, preparation for interviews is a pivotal determinant of success in securing desired employment opportunities. To address this critical need, we introduce a comprehensive mock interview platform aimed at empowering candidates in their preparation journey. Our platform incorporates an array of advanced functionalities harnessing state-of-the-art artificial intelligence (AI) technologies to deliver an immersive and effective preparation experience. Central to our platform is the utilization of AI-driven audio analysis, providing candidates with real-time feedback on their interview performance. This enables candidates to gain valuable insights into their strengths and areas for improvement, enhancing their overall interview readiness.
2.	<b>IntelliView: An AI-Mock Interview Platform:-</b> Swati Uparkar, Saurabh Hundare, Varun Gazala, Sarvesh Chaudhari, Ankush Jain, Apr 2024	-IntelliView is a groundbreaking platform that aids novice job seekers by harnessing the power of advanced AI and NLP technologies. It offers a comprehensive real-time interview practice experience. Users can engage in text and video-based interviews and receive detailed feedback on their communication skills. Additionally, the platform provides an audio analysis during interviews, offering valuable insights for improvement.
3.	<b>AI-BASED MOCK INTERVIEW EVALUATOR:</b> Mrs. P. SWETHA, B.GOWTHAMI, CH.SREEMAN, G.AMRUTH,	The "AI-Based Mock Interview Evaluator“ Is an innovative project aiming to enhance interview preparation by incorporating feedback on verbal cues in professional interactions. The proposed system employs artificial intelligence providing comprehensive insights into the interviewee's performance.



# 5. Stakeholders

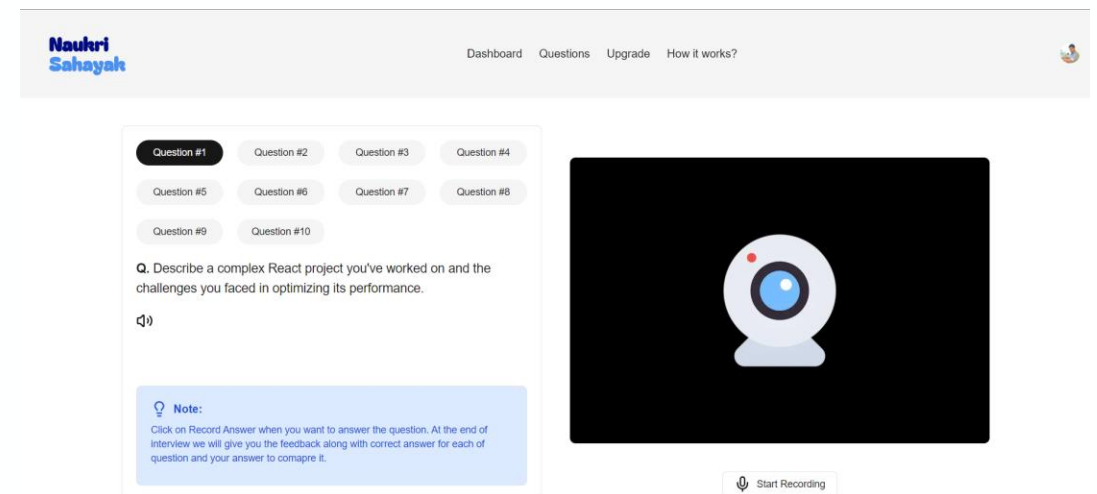
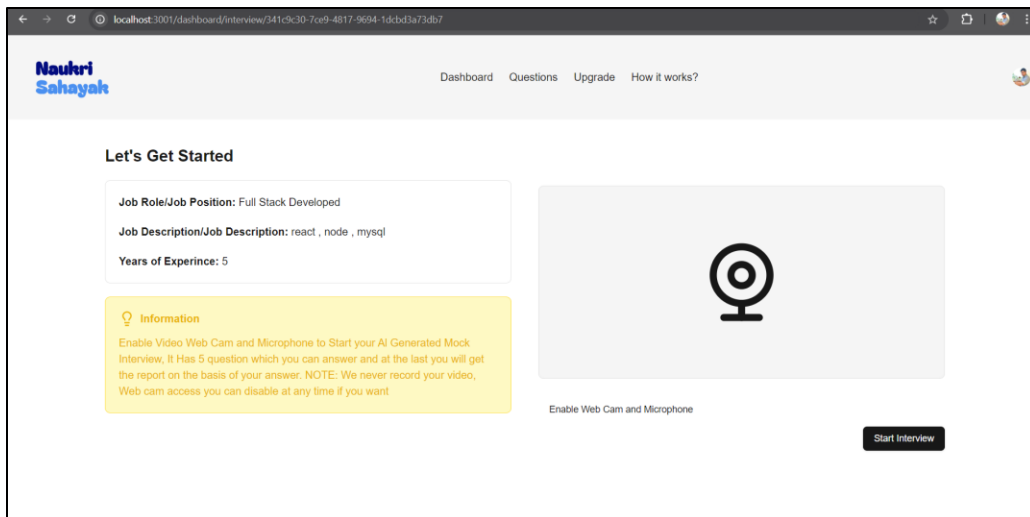
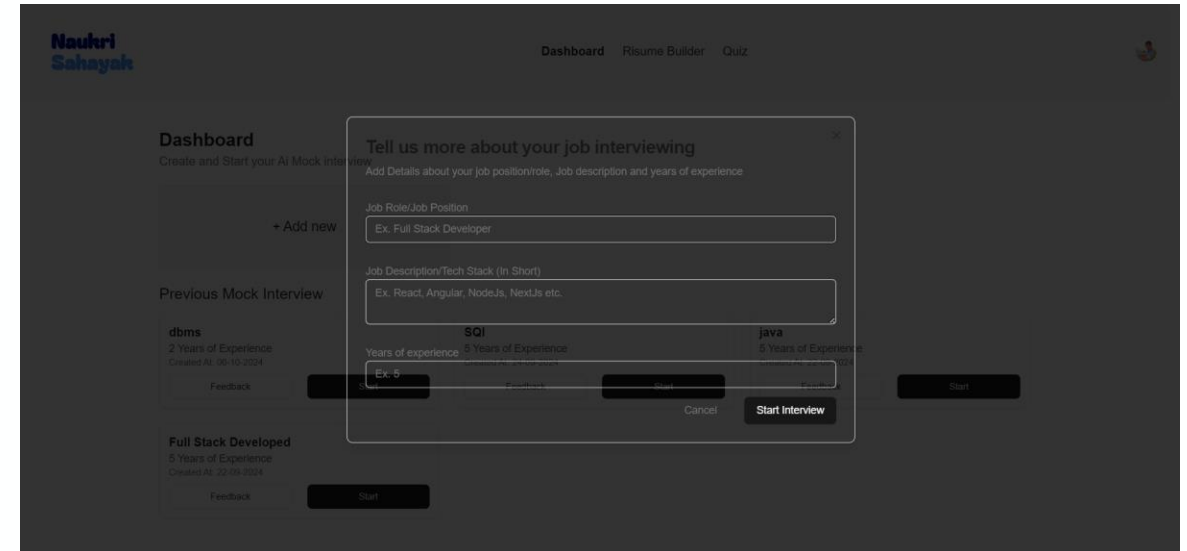
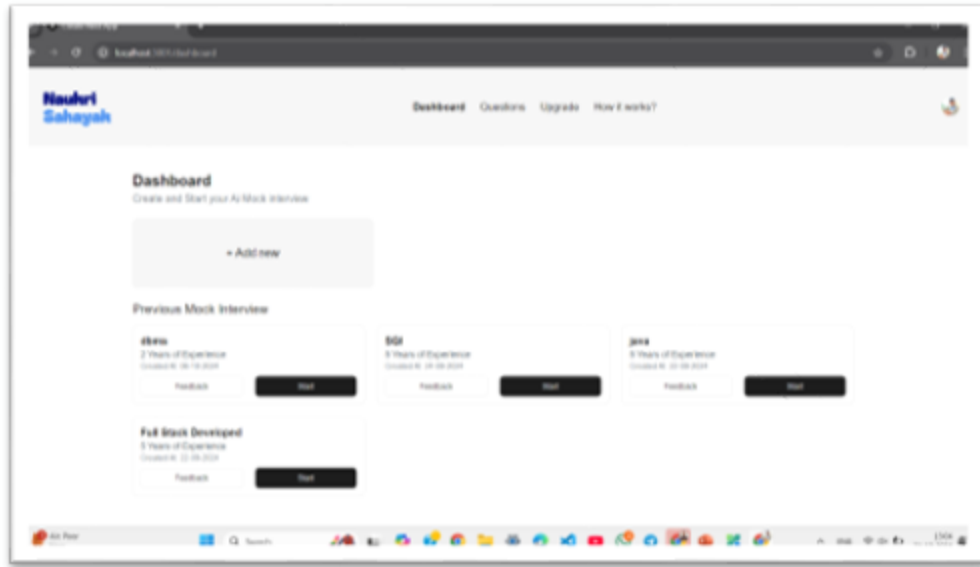


## 6. Cosine Similarity



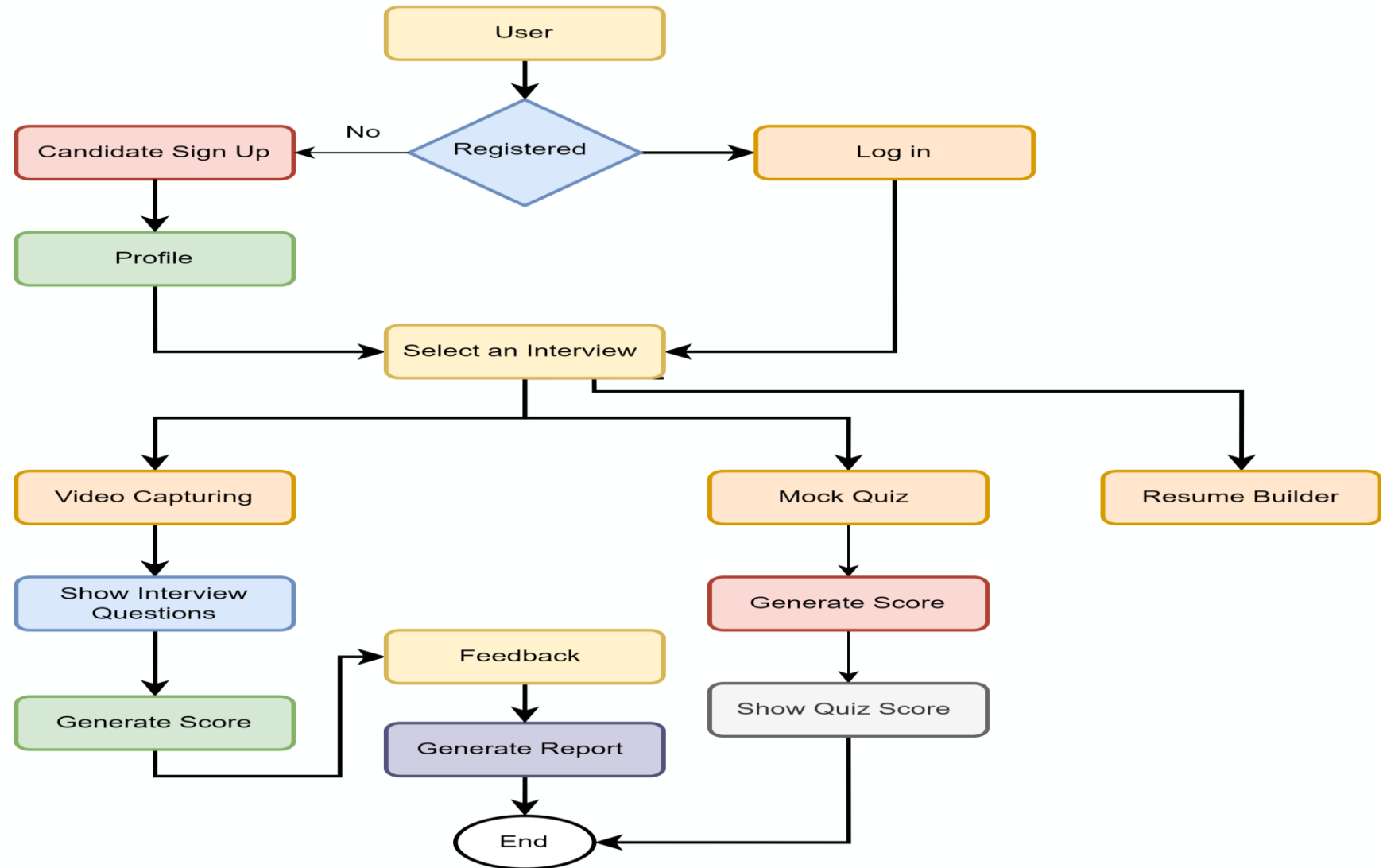
- Cosine similarity is a metric used to measure the similarity between two non-zero vectors. It calculates the cosine of the angle between the vectors, which provides a value between -1 and 1, where 1 indicates the vectors are identical, 0 indicates they are completely different, and -1 indicates they are opposite.

# 6. Project Snippets

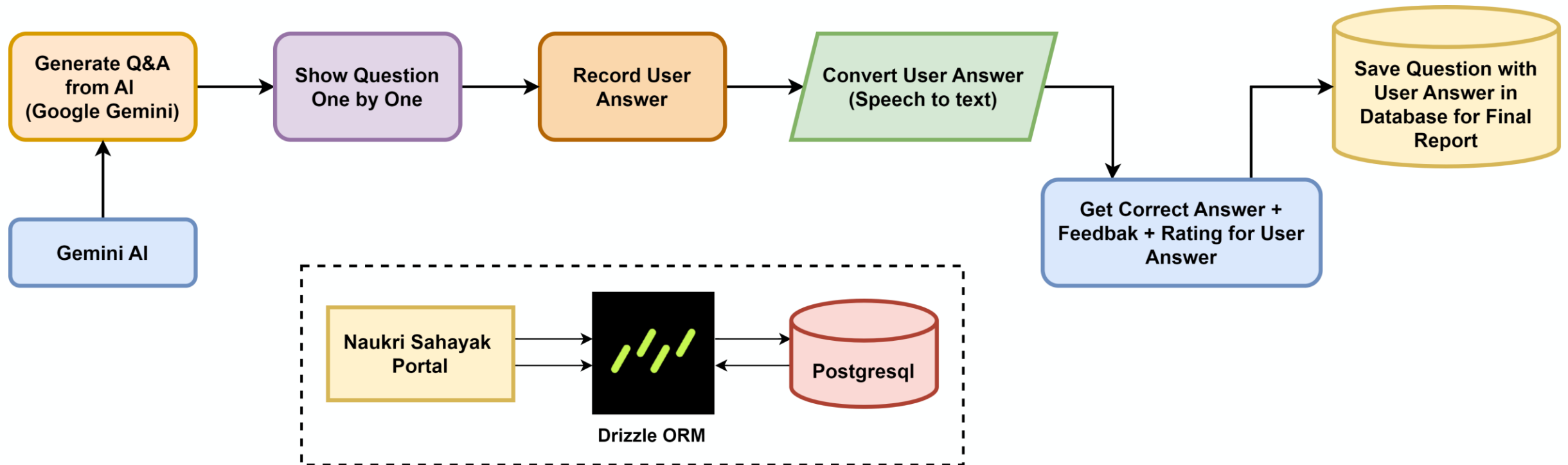




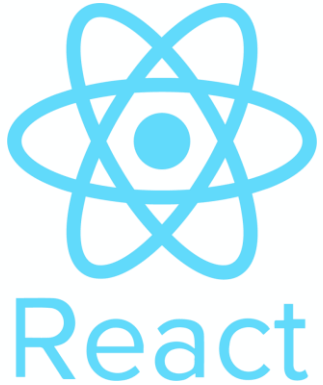
# 7. Workflow



# 7. Technical Workflow



## 8. Technologies Used



# 9. Project Timelines

	week 1	week 2	week 3	week 4	week 5	week 6	week 7	week 8
Planning								
Wireframing								
UI Development								
Backend Development								
API Integration								
Deployment								

**Gantt Chart: Naukri Sahayak**

# 10. Conclusion

- In conclusion, the proposed system effectively addressed the crucial need for interview preparation in today's job market. Our comprehensive mock interview platform, leveraging advanced AI technologies and diverse evaluation tools, empowered candidates in their preparation journey.
- The AI Mock Interview application offers a valuable tool for individuals seeking to enhance their interview skills.
- Through simulating real-world interview scenarios, providing feedback, and delivering performance analytics, this application helps users bolster their confidence and perfect their responses.

# 11. References

## **For an Article in a Journal :**

- [1]. Rai, S., Miranda, A., Jagirdar, S., & Chitalia, N. (2024, April). **Skillup Bot: An AI Driven Mock Interview Platform**. International Research Journal of Engineering and Technology (IRJET), 11(4), 2344.
  
- [2]. Uparkar, S., Hundare, S., Gazala, V., Chaudhari, S., & Jain, A. (2024, November). **IntelliView: An AI Based Mock Interview Platform**.
  
- [3]. R. Mandal, P. Lohar, D. Patil, A. Patil and S. Wagh, "**AI -Based mock interview evaluator: An emotion and confidence classifier model**," 2023 International Conference on Intelligent Systems for Communication, IoT and Security (ICISCoIS), Coimbatore, India, 2023, pp. 521-526, doi: 10.1109/ICISCoIS56541.2023.10100589.





# Thank You.