

HACKQUINOX 2.0

HACK THE UPSIDE DOWN



Team Name : Pink lips

ID :

Domain : Edtech & Skill development



Problem Statement : Despite strong technical skills, candidates struggle in interviews due to anxiety and a lack of realistic practice. Current platforms rely on generic questions that fail to simulate real-world conditions or evaluate critical soft skills like communication and confidence. Consequently, candidates receive vague scores rather than the actionable, personalized feedback needed to improve.



SOLUTION



Problem Statement



Candidates feel anxious and underprepared during technical interviews despite having strong skills.



Interview preparation platforms ask generic questions that don't match real company interviews.



Current systems ignore communication skills, confidence and emotional cues during interviews.



Candidates receive vague scores without actionable insights on how to improve.

Proposed Solution INTERVIEW PREP

An AI-powered platform conducts a realistic technical interview using voice, video, and coding, then delivers clear, personalized feedback to the candidate.



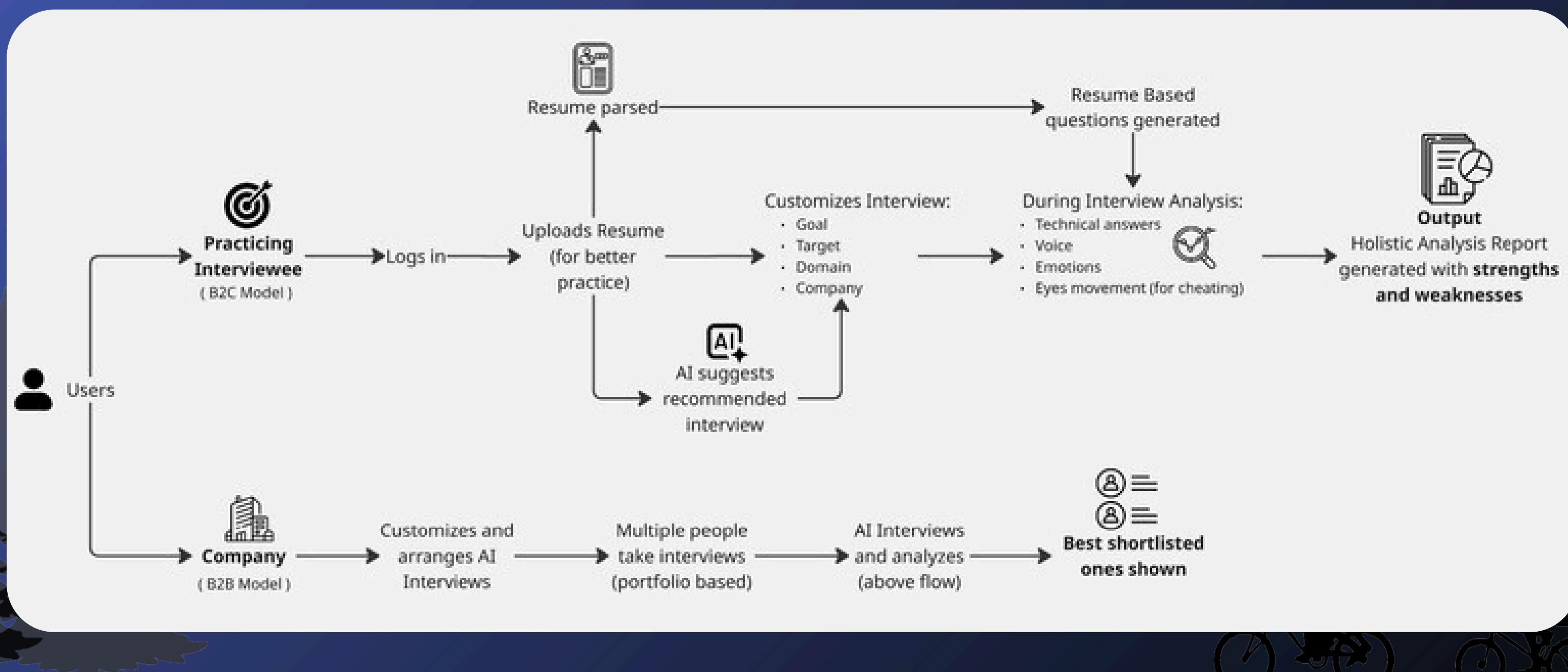
- Simulates real technical interviews with AI-driven question flow
- Personalized interviews based on role, company, and difficulty level
- Multi-modal evaluation using voice, video, and live coding
- Adaptive follow-up questions based on candidate responses
- Clear, actionable feedback with strengths, weaknesses, and next steps



SOLUTION

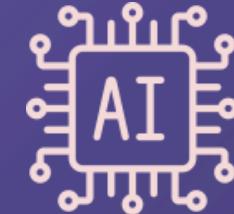


Process Flow Diagram or Use-case Diagram





SOLUTION



**Fully AI-Driven Interviewer with
voice-enabled conversation**



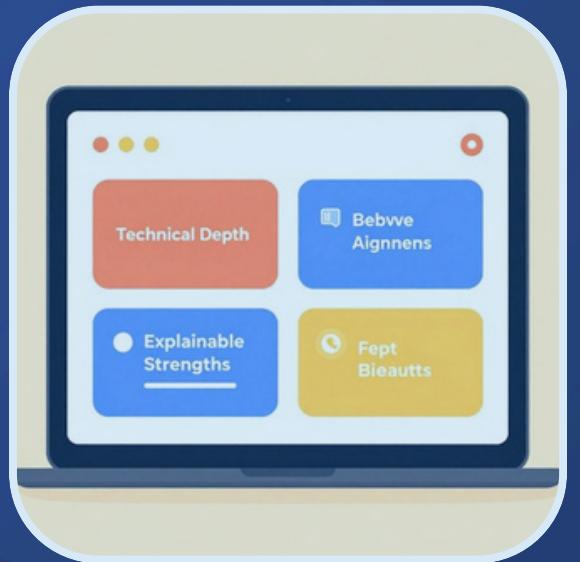
**Customize Interview: Choose from
many domains, companies, etc**



**Resume-Based Questioning
like professional interviews**



**AI-recommended Interviews based on
resume and performance analysis**



A detailed holistic analysis report based on multiple aspects

- **Technical depth**
- **Communication**
- **Confidence**
- **Behavioral alignment**

with explainable strengths and weaknesses

**Dynamic Questioning
(Adaptive Interview)**



A similar B2B Model for Companies

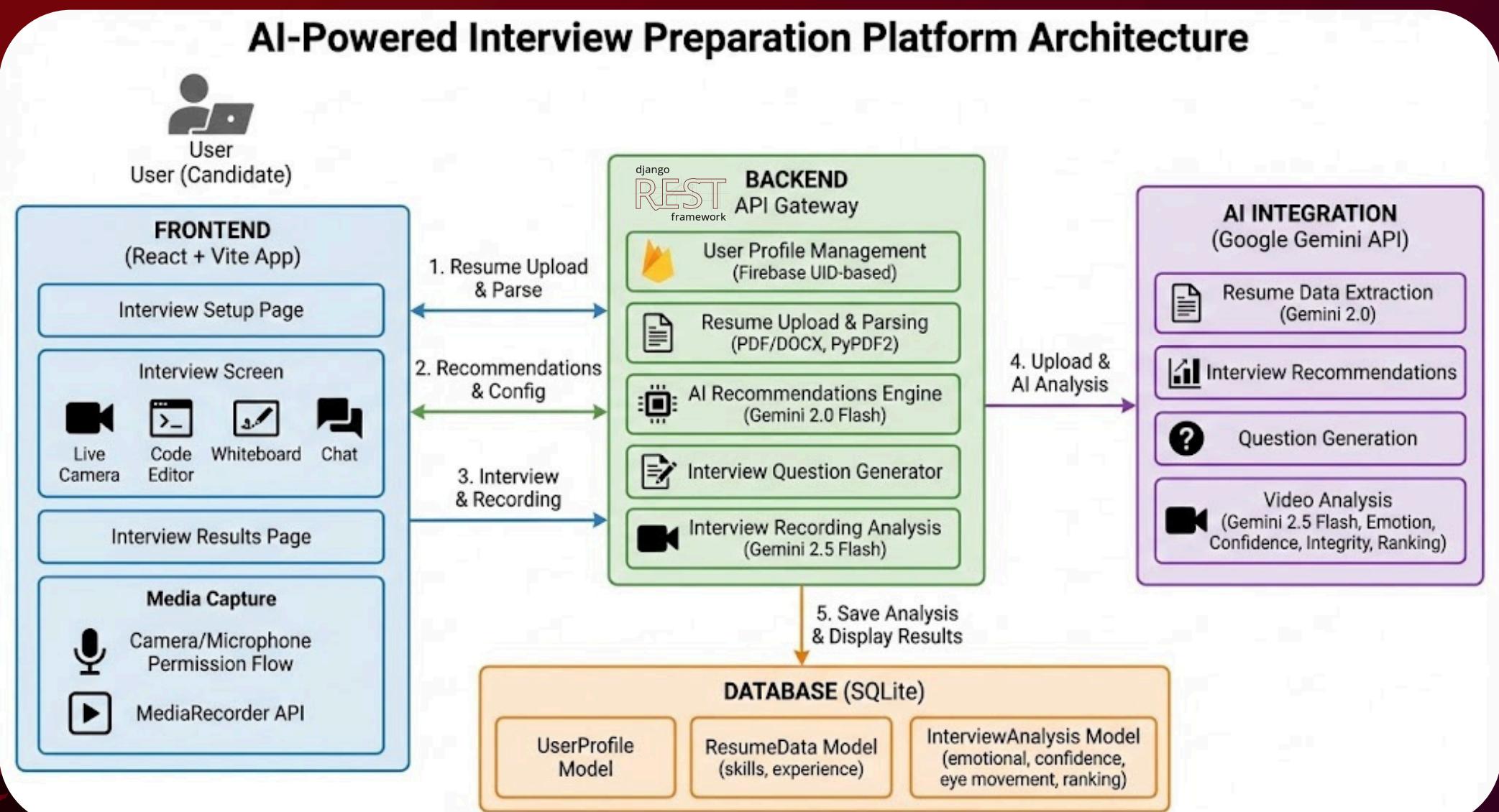




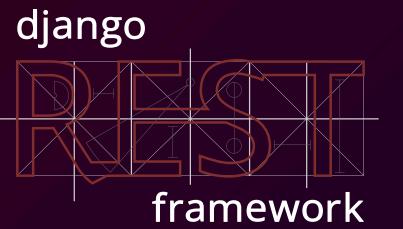
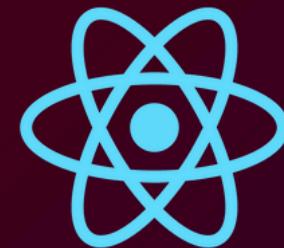
TECHNICAL APPROACH



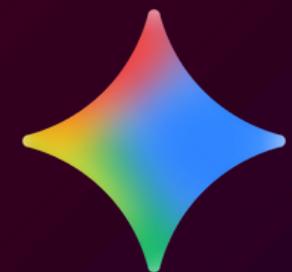
AI-Powered Interview Preparation Platform Architecture



TECH STACK



2.5 flash model



AI-powered features for resume analysis, answer evaluation, and interview question generation.

Vertex Ai



A system that analyzes video, audio, non-verbal cues, speech quality, and content accuracy in one go

Firebase



Firebase Authentication - User authentication system



FEASIBILITY



Revenue Stream

- Individuals (B2C): Freemium to subscription for recurring usage
- Colleges: Annual license for bulk student access
- Bootcamps / EdTech: Partnership license integrated into training
- Companies (B2B): Pay-per-interview for screening and assessment
- Premium Reports: One-time purchase for detailed analysis

College and placements

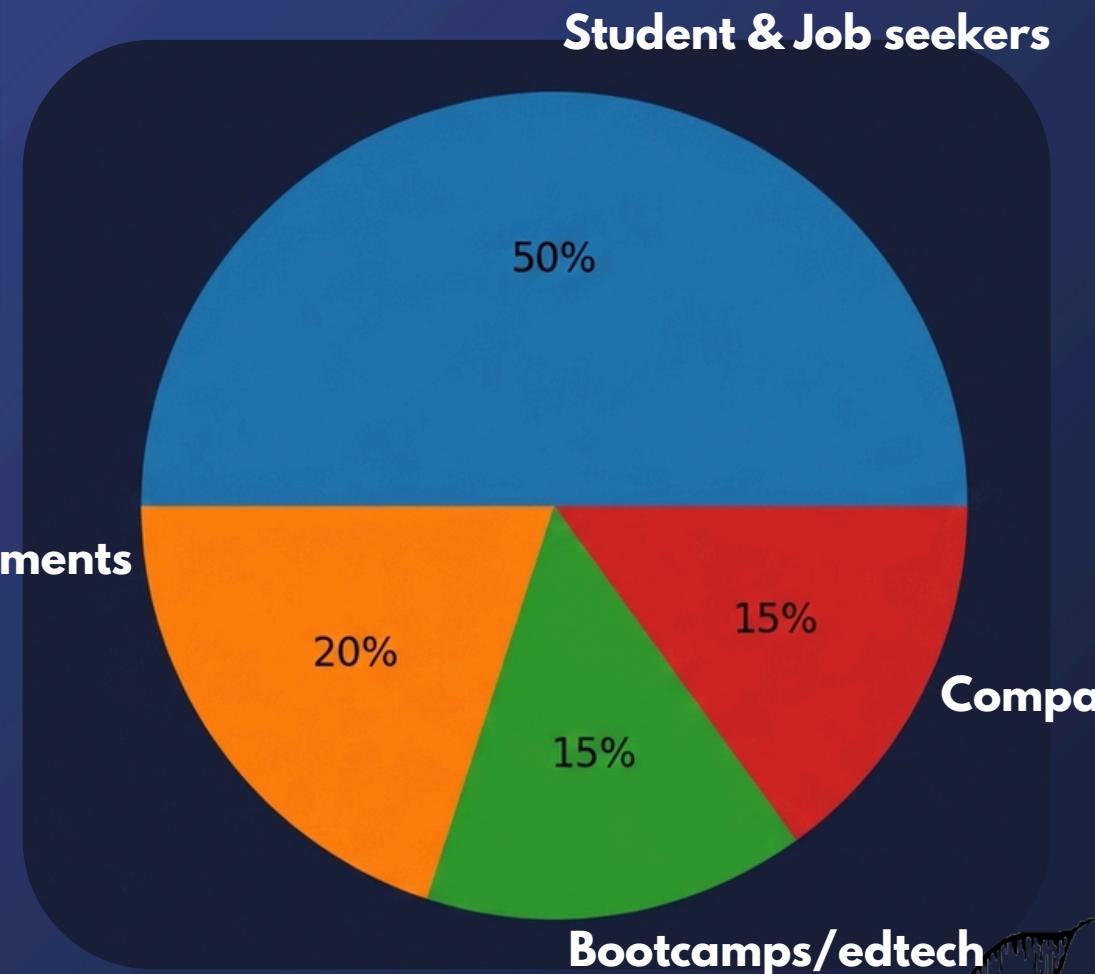
Existing platforms:

- HireVue records answers but isn't resume-aware
- Pramp relies on peers, so quality varies
- Generic sites provide questions without evaluation

Interview Prep:

- Resume-aware AI interviewer
- Adaptive follow-up questions
- Evaluates video, audio, and coding together
- Clear, explainable feedback anytime

Target audience Distribution



Target Audience

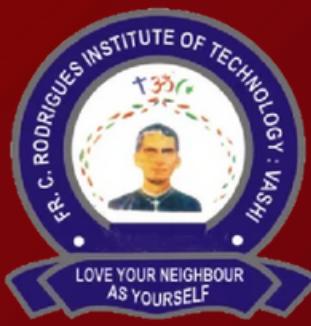
- Students and job seekers
- Colleges and placement cells
- Bootcamps and EdTech institutes
- Companies and HR teams

Cost Structure

- AI processing for video, audio, and text analysis
- Cloud backend, database, and storage
- Product development and maintenance
- Marketing and outreach

About Platform

This platform is feasible as it leverages scalable AI to deliver realistic, resume-aware interview practice with actionable feedback, while maintaining low operational costs and supporting multiple user segments for sustainable growth.



IMPACT ANALYSIS



Candidates: Higher confidence, faster readiness, better interview performance

Recruiters: 40–60% faster screening, unbiased and consistent evaluation



Institutions: Improved placements and employer trust

Overall: Democratizes interview prep and builds a job-ready workforce



REFERENCES



- IEEE-Saurabh Srivastava; Neelanjali Srivastav; Dhiraj Thakur; Sanjeet Sahay, Solutions Architect's Interview: Winning strategies and effective tactics for interview success , Packt Publishing, 2025.
- Google Scholar-Jöhnk, Weißert, and Wyrtki (2021) outline five AI readiness factors, based on expert interviews, to help organizations assess and improve their preparedness for AI adoption.
- Google Scholar-An AI interviewer conducted 381 interviews, showing that an “active investing” mindset explains stock market nonparticipation and that AI interviews can yield rich, predictive insights at low cost.