

AI MOCK INTERVIEW APP

By PHEONIX

INTRODUCTION

Many candidates struggle with technical interviews due to a lack of structured practice and real-time feedback. This platform addresses these challenges by offering personalized AI-generated questions, real-time response recording, and AI-driven feedback, helping users improve their interview skills efficiently.

MOTIVATION

We currently have many options for online mock interviews all around. But we noticed some drawbacks such as EXPENSIVE, NO FREE TRIAL and so more on those apps or web sites. So that we introduce a refined version as these limitations are solved.

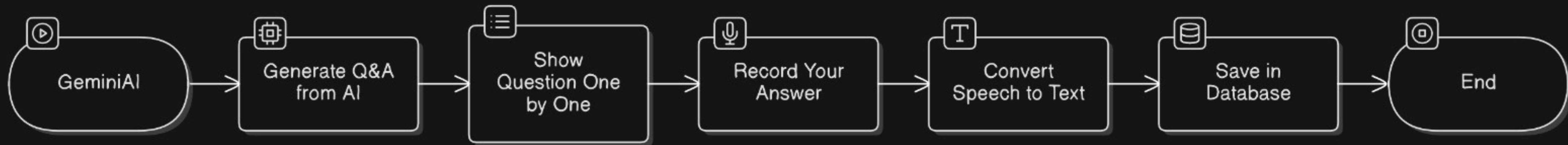
We conducted an in-depth analysis of some web sites:

- interviewing.io
- Gainlo
- Algo Expert
- TEchMockInterview

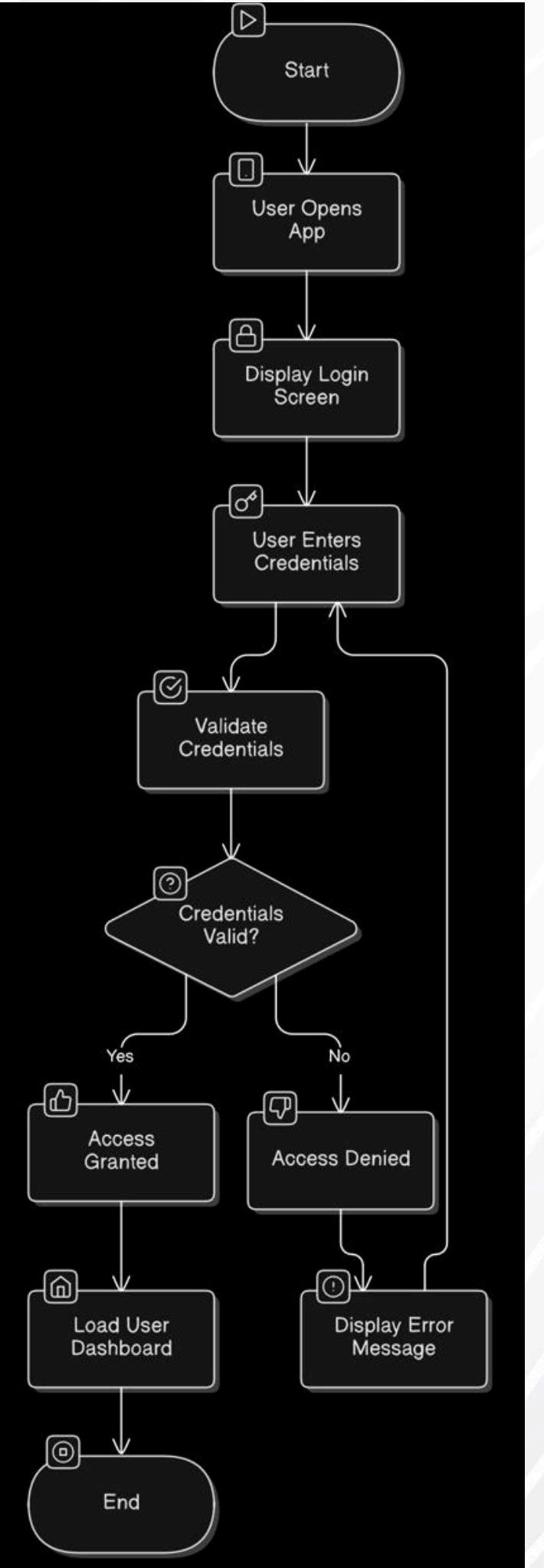
LITERATURE STACK

PLATFORM	COST	TECHNICAL STACK	ADVANTAGE	DIS-ADVANTAGE
interviewing.io	Free & Paid (\$100+ per session)	WebRTC, AI Matching	Anonymous, real interviewers, FAANG engineers	Expensive for premium, may get tough interviewers
Gainlo	Paid (varies per session)	Web-based platform	1:1 sessions with FAANG engineers, personalized feedback	Expensive, no free trial
AlgoExpert	Paid (\$119/year)	JavaScript, Web-based	High-quality explanations, covers multiple topics	No live mock interviews, expensive for some
TechMockInterview	Paid (starting at \$50/session)	Web-based, Video	Personalized coaching, detailed feedback	Can be pricey, limited availability

WORK FLOW



AUTHENTICATION



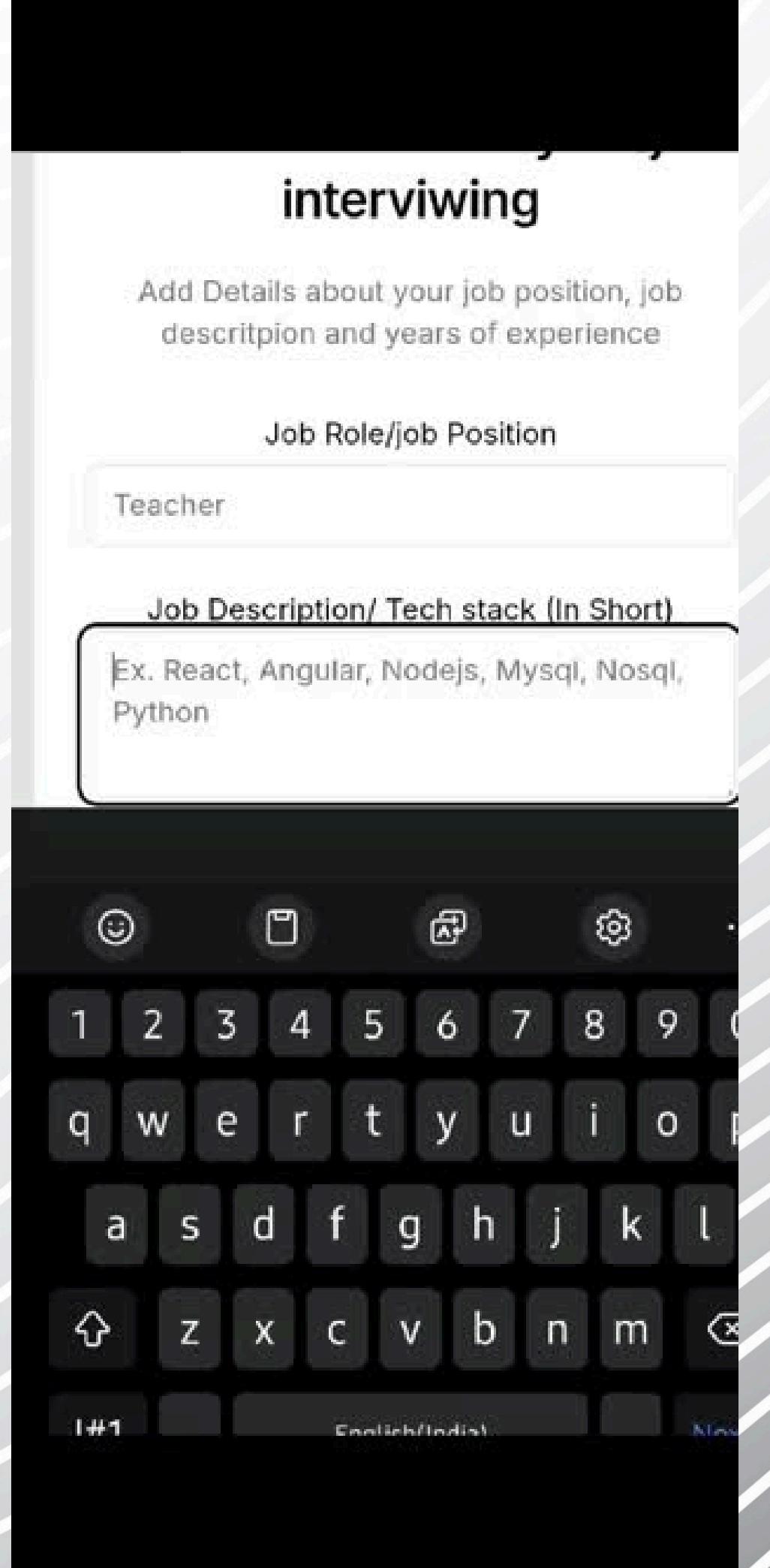
TECHNICAL STACK

Component	Technology Used	Purpose
Frontend	Next.js	Enables server-side rendering (SSR), static site generation (SSG), and optimized performance.
	React	Provides a dynamic, component-based UI for an interactive user experience.
Backend	Drizzle ORM	A lightweight, type-safe ORM for efficient database interactions and migrations.
	PostgreSQL	A powerful, scalable relational database for storing user data securely.
Authentication	Clerk	Provides secure user authentication and session management.

Component	Technology Used	Purpose
AI-Powered Features	Gemini AI API	Generates tailored interview questions and analyzes responses.
Media Processing	Webcam Integration	Captures video responses for interview analysis.
	Microphone Integration	Records audio responses for AI-driven feedback.
Deployment	Vercel	Ensures scalability, fast performance, and global accessibility.

TECHNICAL DEMONSTRATION

[https://www.canva.com/design/
DAGgR-
rq1Nw/3iI4i2uH9YwpFaHxM7xMig/
view?utm_content=DAGgR-
rq1Nw&utm_campaign=designshare&ut
m_medium=link2&utm_source=uniqueli
nks&utlId=hdf8af0ffe5](https://www.canva.com/design/DAGgR-rq1Nw/3iI4i2uH9YwpFaHxM7xMig/view?utm_content=DAGgR-rq1Nw&utm_campaign=designshare&utm_medium=link2&utm_source=uniquelinks&utlId=hdf8af0ffe5)



CONCLUSION

The Full Stack AI Mock Interview Application is an AI-powered, scalable, and interactive platform for technical interview preparation. With AI-generated questions, real-time response recording, and automated feedback, it enhances user confidence and efficiency.

Deployed on Vercel and built with Next.js, React, Drizzle ORM, and Gemini AI, the platform ensures a secure, seamless, and personalized experience.

Future Scope:

- Advanced AI analysis for deeper feedback
- Support for more job roles
- Integration with industry professionals

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**LET'S CONVENE TO
ADDRESS YOUR QUERIES!**

THANK YOU