

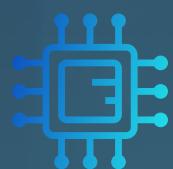


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# JARVIS

Job AI Ready Virtual Interview System



[www.jarvis.com](http://www.jarvis.com)



Developed By : Manish Jangid  
Organization : NeoSoft Services  
Mentor : Ms. Kalyani Sahastrabuddhe

# ➤ Project Introduction

## 1. AI Based Mock Interview

Simulates real-world technical interviews via voice

## 2. Role Specific Questions

Uses Gemini AI API for tailored question generation

## 3. Real Time Feedback

Provides scoring and progress tracking to aid improvement

## 4. Students Benefits

Helps overcome anxiety and improves interview performance

- ❑ JARVIS bridges the gap with AI-driven, role-specific interview simulations



# ➤ Project Workflow

1

## User Access

Login or Sign Up via Clerk Authentication

2

## Input

Job role, description, experience submitted

3

## Question Generation

Gemini 2.0 API creates tailored Q&A sets

4

## Interview Session

Speech-to-text captures spoken answers

5

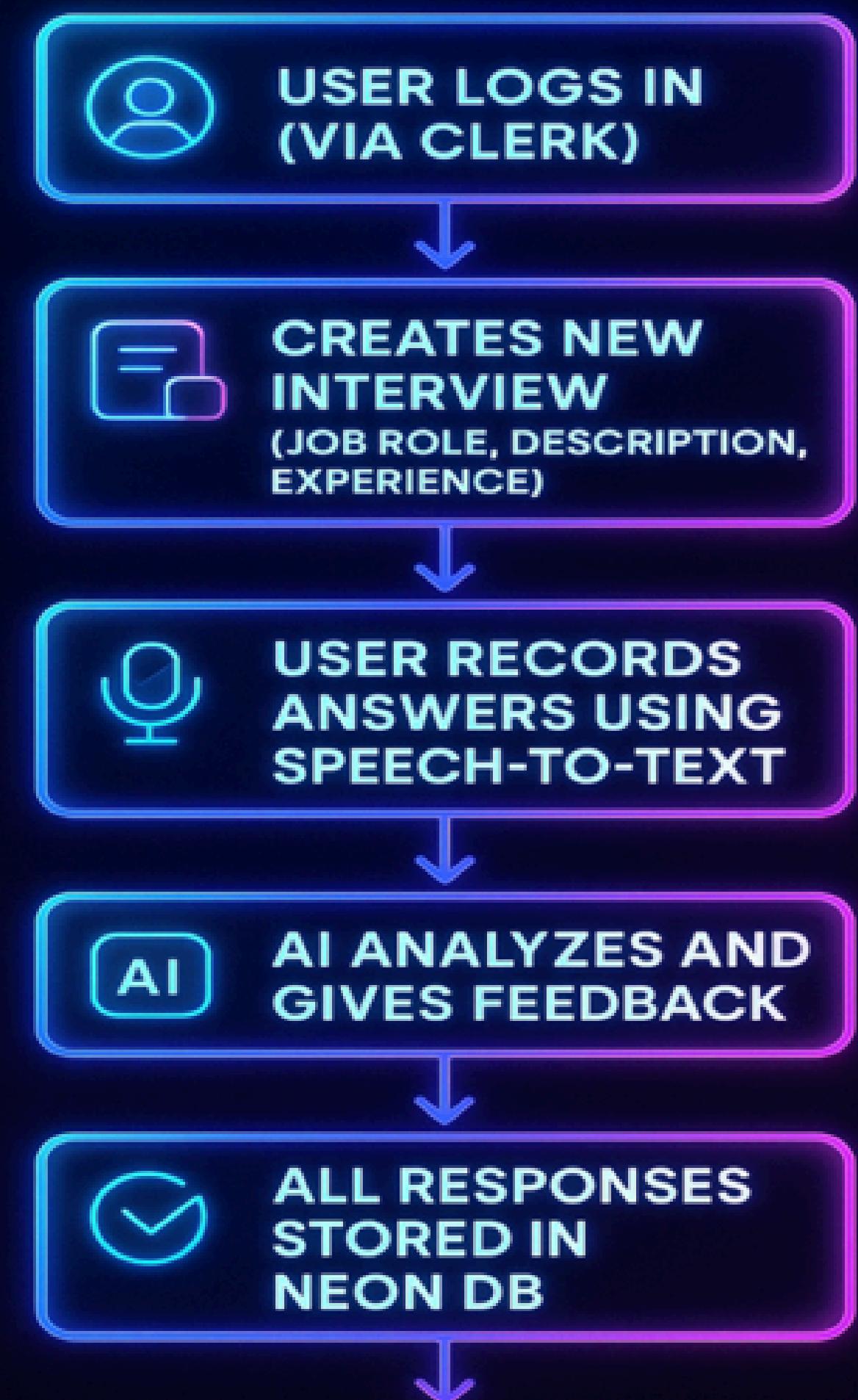
## Evaluation

AI provides real-time feedback & rating

6

## Feedback Review

Stored data accessible via dashboard



# PROBLEM STATEMENT

Students often experience anxiety, a lack of confidence, and difficulty crafting structured responses during interviews.

## TECHNICAL STACK

Frontend : Next.Js, Tailwind CSS, ShadCN UI  
Backend :Drizzle ORM, Neon DB, Postgresql

Authentication : Clerk

Libraries :React Text-to-Speech



## SCOPE OF WORK

1.

### ROLE BASED QUESTIONS

The AI will generate will generate the questions based on the job title, description and the experience of the user.

2.

### SPEECH RECOGNITION

The user can record the answer of each question by voice input using react speech-to-text hook library.

3.

### REAL TIME FEEDBACK

The AI analyzes the user answer and give back the expected answer, need of improvement and rating of each question in the feedback Report.

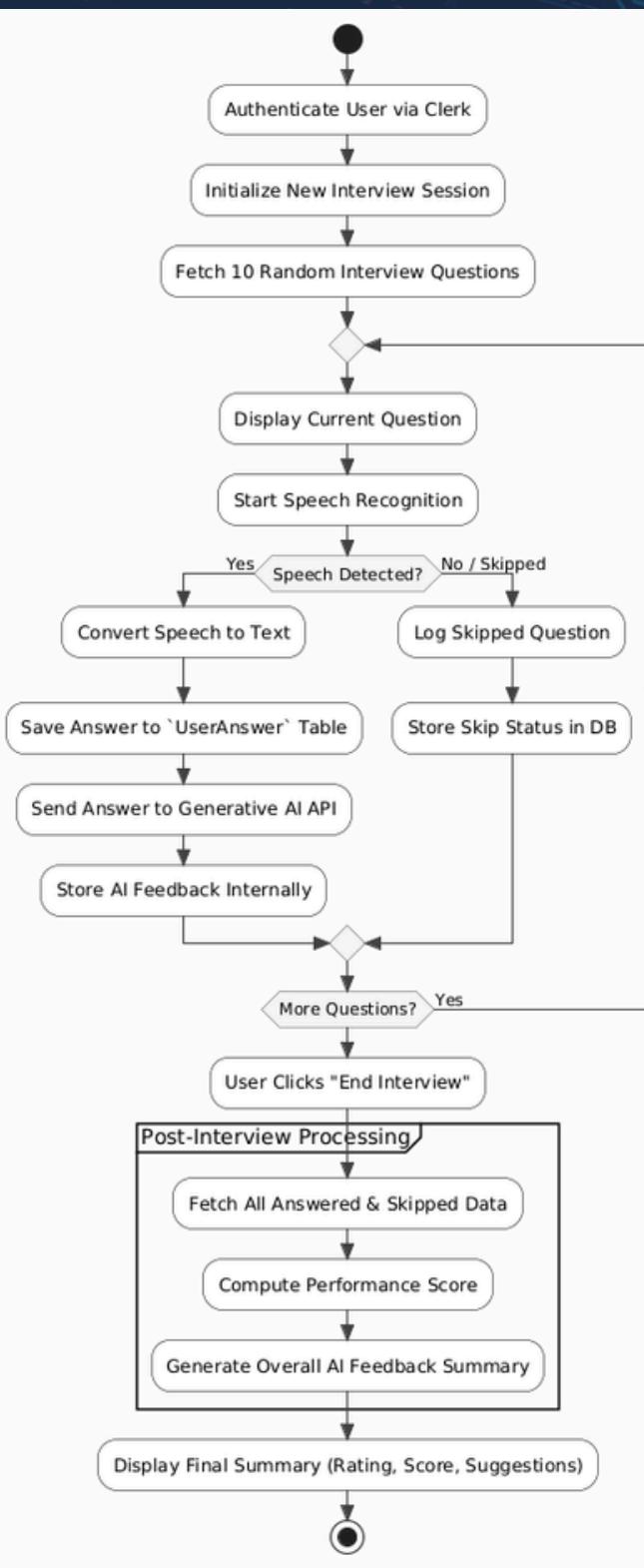


# DESIGN DOCUMENTATION



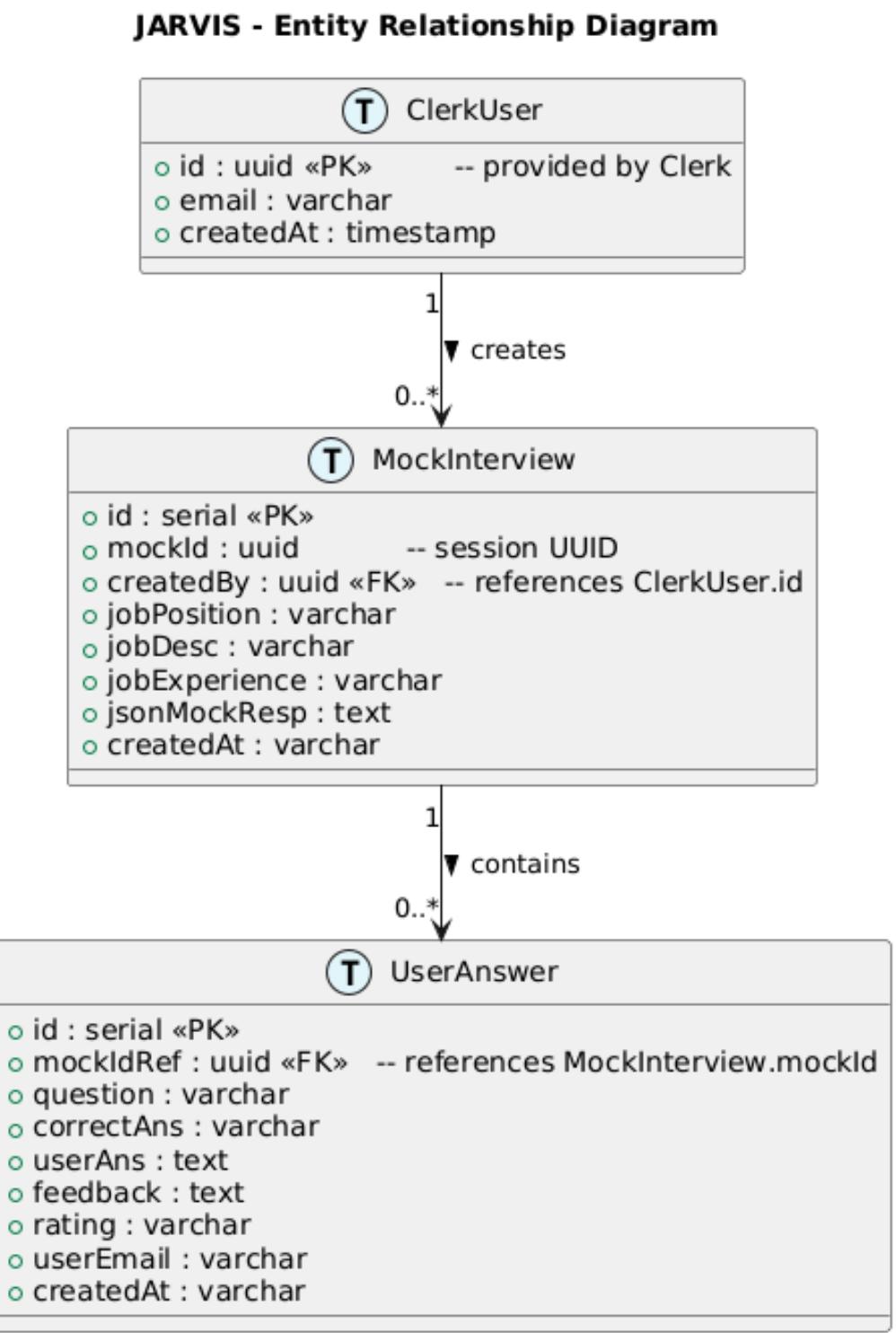
1.

## ACTIVITY DIAGRAM



2.

## ER DIAGRAM





# START INTERVIEW...



jarvis-chi-mocha.vercel.app/sign-in?redirect\_url=https%3A%2F%2Fjarvis-chi-mocha.vercel.app%2Fdashboard

Gmail YouTube Maps All Bookmarks

Continue to JARVIS

Cancel Continue with Google

or

Email address or username Use phone

Enter email or username

Continue >

Secured by clerk Development mode

Welcome to JARVIS

AI Powered Personal Interview Trainer

www.jarvis.com



## CONCLUSION

### REAL TIME MOCK INTERVIEW SIMULATION

1.

JARVIS effectively replicates real interview experiences using voice and webcam features.

### INTELLIGENT FEEDBACK MECHANISM

2.

AI powered analysis helps user improve by evaluating fluency, accuracy and relevance.

### SEAMLESS USER EXPERIENCE

3.

Built with NextJS, Drizzle ORM, Clerk ensuring fast and secure performance.

## FUTURE ENHACEMENTS

1.

### FACIAL AND POSTURE ANALYSIS

Plan to include non-verbal communication feedback using openCV and Deep Learning Algorithms.

2.

### RESUME BASED QUESTIONS

Plan to add Resume as Input so the questions are generated on the basis of Resume and the projects.

3.

### ADVANCED ANALYTICS AND PRO QUESTION SETS

Add progress tracking and premium company-specific question banks.





# THANK YOU!

We appreciate your interest in JARVIS.  
Looking forward to enhancing interview preparation with AI.

[www.jarvis.com](http://www.jarvis.com)

