

# SIT708 TASK 4.0HD Proposal

## Proposal for "Job Achiever AI"

### ❖ Introduction

Navigating the competitive job landscape can be challenging, with many candidates struggling to prepare adequately for interviews, resulting in missed career opportunities. "Job Achiever AI" is a cutting-edge Android application that delivers AI-driven virtual interview coaching at no cost. Utilizing Llama 2, the app facilitates personalized mock interviews, instant feedback, and AI-powered suggestions, enabling users to enhance their responses and build confidence. This application is designed to be completed within a **four-week timeframe (Weeks 5 to 8)** using exclusively open-source and free tools.

### ❖ Objective

"Job Achiever AI" is designed to elevate the interview skills of job seekers through AI-enhanced mock interviews, real-time feedback, and personalized training. The application aspires to close the gap between job seekers and their desired careers by offering an entirely free, smart, and efficient interview preparation solution that can be developed swiftly.

### ❖ Proposed Solution

"Job Achiever AI" acts as a virtual interview coach, allowing users to refine their skills by responding to industry-specific interview questions. The key features include:

- **Simulated Interviews:** The AI interviewer, powered by Llama 2, conducts practice interviews tailored to different job sectors and roles.
- **Instant Feedback:** The AI evaluates responses, offering insights on clarity, professionalism, grammar, and relevance.
- **Answer Optimization:** The system suggests enhanced responses by providing structured recommendations and best practices.
- **Performance Insights:** Users receive analytical reports detailing strengths and areas requiring improvement.
- **Adaptive Learning Modules:** The AI-driven training adapts to individual progress, recommending exercises to improve weak points.
- **Voice and Text Input Support:** Users can either speak or type responses, enhancing accessibility and user-friendliness.

### Llama 2 Integration

Llama 2 will play a pivotal role in:

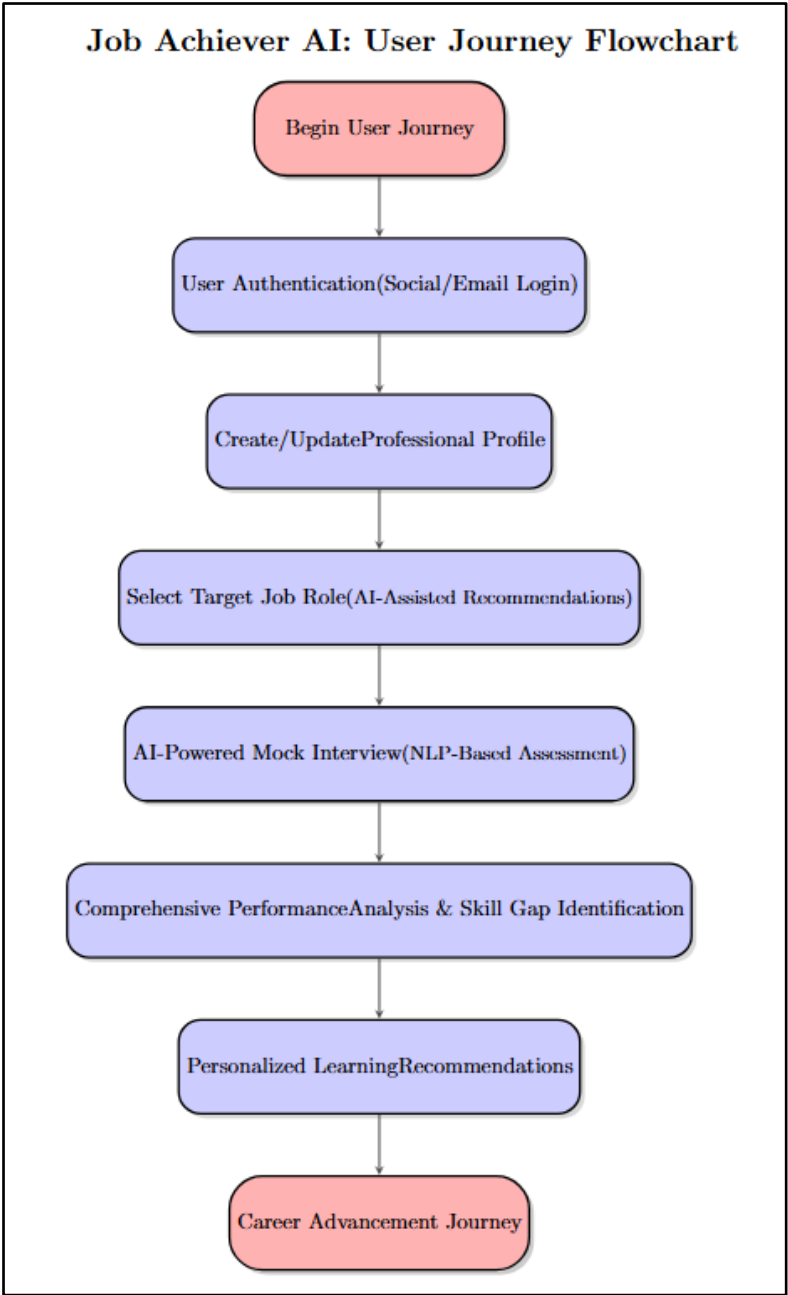
- Generating interview questions tailored to different industries.
- Evaluating user responses using NLP techniques and providing relevant feedback.
- Delivering personalized coaching adapted to individual user progress.

❖ **Technology Stack**

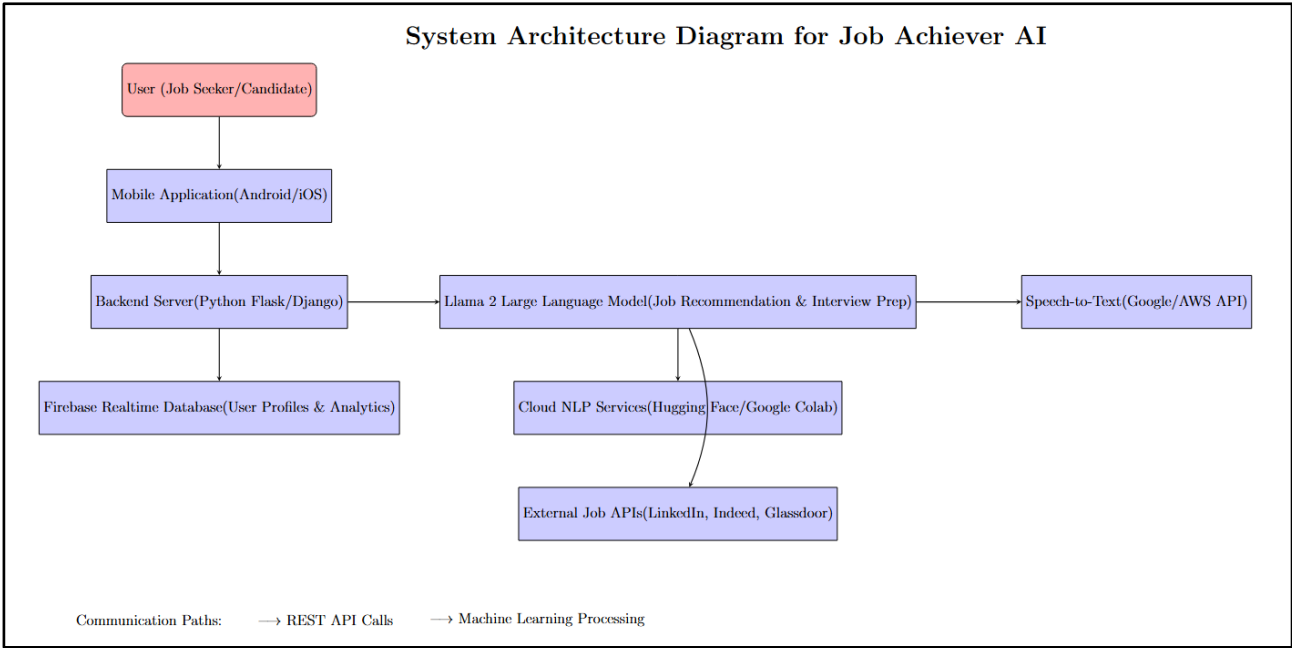
To maintain a **zero-cost** approach, the development will rely on open-source tools and free-tier services:

Component	Technology Used
Frontend	Android Studio (Java)
Backend	Python (hosted locally or via free-tier cloud solutions)
AI Model	Llama 2 for NLP-based interview interactions
Database	Firebase (free-tier) for managing user data and progress tracking
Cloud Services	Free-tier AI processing platforms such as Google Colab or Hugging Face

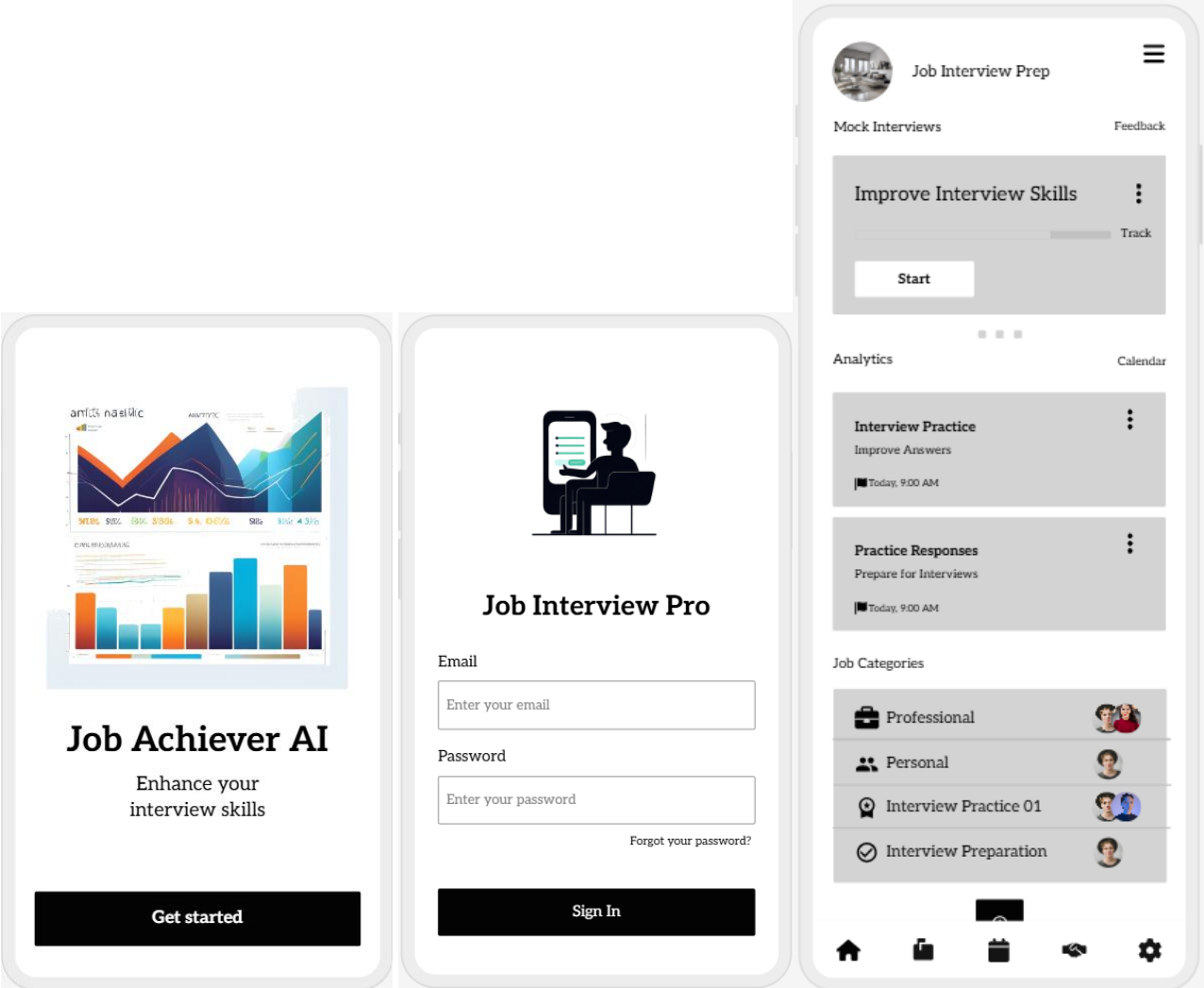
**Flowchart**

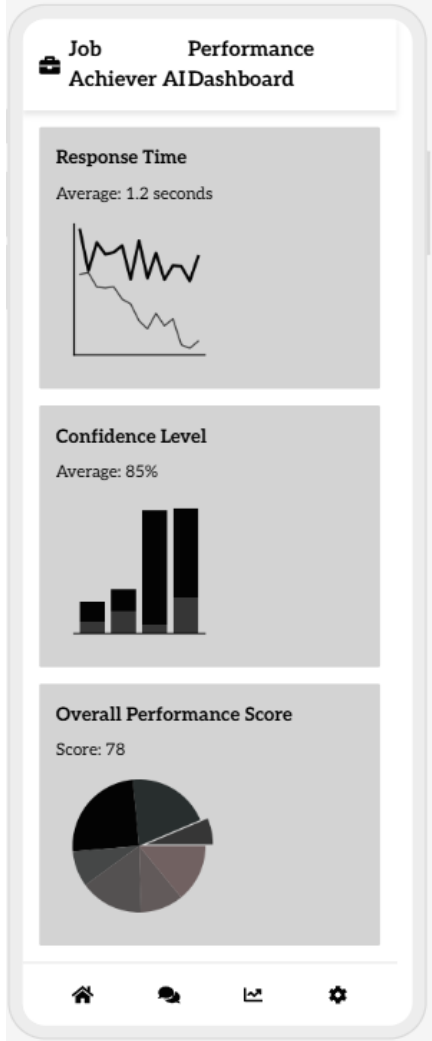
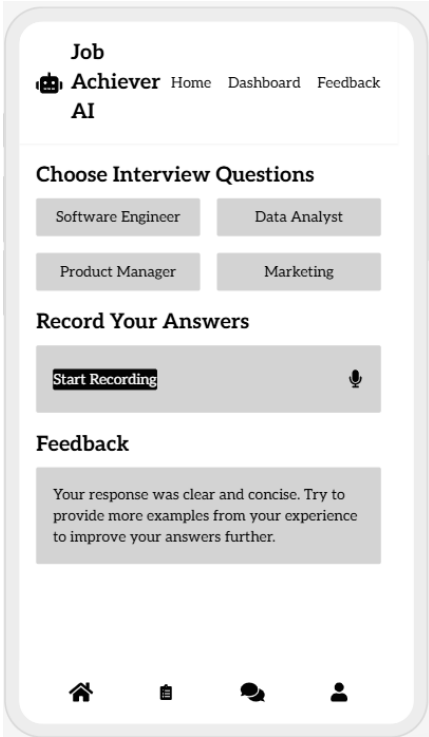
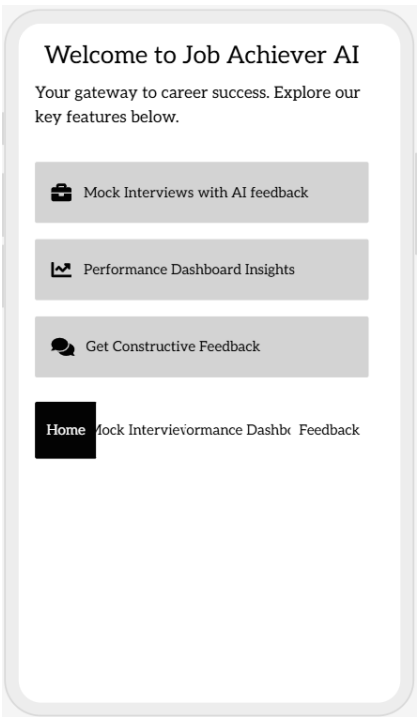
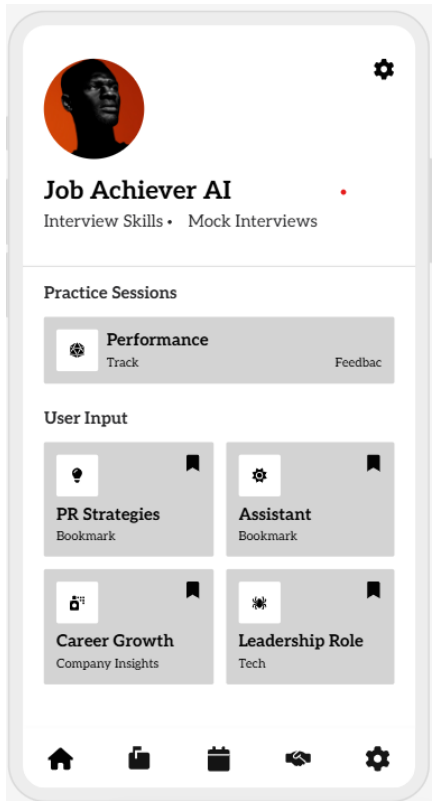
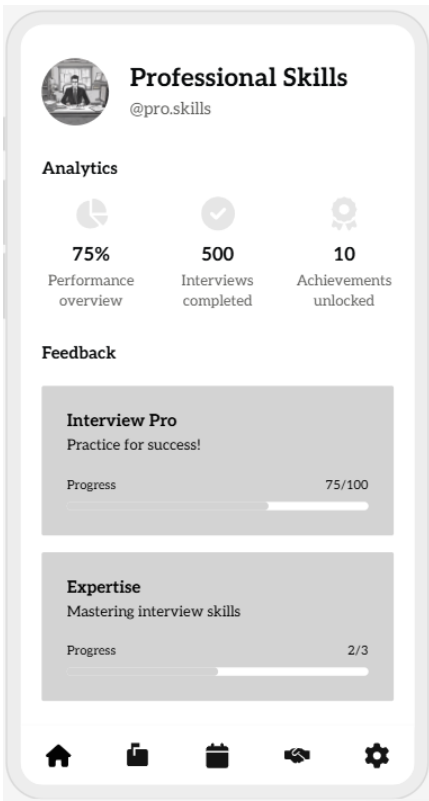
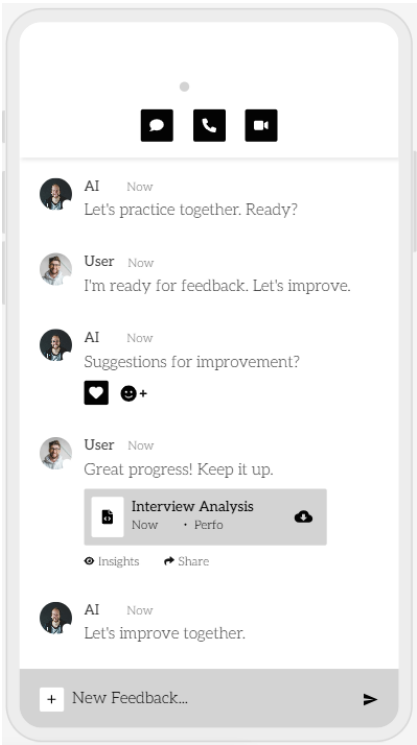


System Architecture Diagram



❖ UI Design





Feedback

Your Feedback

We appreciate your feedback to improve our app.  
Please fill out the form below.

Comments & Suggestions

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★ ★ ★ ★ ★

Overall Satisfaction

☐ Satisfie
☐ Neutral
☐ Dissatisfied

☐ I agree to the terms and conditions

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### ❖ Development Methodology

A structured **four-week Agile development cycle** will be implemented to ensure smooth development and iteration. The weekly breakdown is as follows:

Week	Tasks
Week 5	Frontend development initiation according to UI/UX design
Week 6	Backend development, AI model integration
Week 7	Testing, debugging, performance optimizations
Week 8	Final testing, deployment, user feedback incorporation

The Agile approach will enable continuous refinement through user feedback and iterative enhancements, ensuring optimal functionality and user experience.

### ❖ Conclusion

"Job Achiever AI" is designed to transform interview preparation by offering job seekers a free, AI-driven coaching tool. Through the integration of Llama 2 and open-source cloud services, the application delivers an intelligent, interactive, and industry-specific interview experience. This solution will empower candidates to improve their confidence and skills, significantly increasing their chances of securing employment—all within a structured four-week development plan.

**Github:** <https://github.com/KrishBM/SIT708-Task-4.0>