

Job Interview Simulator with Real-time Feedback

Abinesh Haridoss
11695304

Project Overview

Job Interview Simulator with Real-time Feedback

- AI-powered interview practice tool
- Instant feedback on user responses
- Advanced NLP analysis using Llama 3 8B
- Customizable for various roles and industries



Key Features

- Natural Language Processing (NLP) Analysis
- Real-time Constructive Feedback
- Extensive Question Database
- Personalized Interview Scenarios



Technical Approach

- Leveraging Meta's Llama 3 8B language model
- Fine-tuned on diverse interview Q&A datasets
- Feedback system using similarity scoring
- User-friendly interface with voice input capability



NLP and Feedback System

NLP Analysis:

- Convert responses to numerical vectors
- Compute similarity scores against ideal answers

Feedback System:

- Translate scores into constructive feedback
- Provide suggestions for improvement in real-time



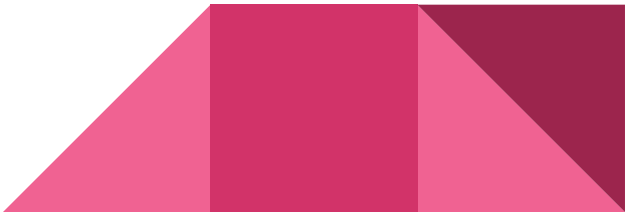
Implementation Plan

- Research and Model Development
- Question Database Creation
- Prototype Development
- User Testing and Iteration



Challenges and Solutions

Challenge	Solution
NLP Accuracy	Extensive model training on diverse datasets
User Engagement	Interactive features and personalized scenarios
Feedback Quality	Continuous refinement based on user input



Conclusion and Next Steps

- Innovative tool for enhancing interview preparation
- Leverages cutting-edge AI technology
- Potential to significantly improve users' interview skills
- Next steps: Further testing, refinement, and feature expansion



Questions & Answers



Thank You

