User

Frontend(html, js,..)
Upload Resume

Backend(flask)
Resume recieved.

Proctored
face detection, Mal-practice

Resume parser
Skills, Experience, Project ,...
extraction.

Que. Generator
based on resume using Tinyllama
(Hugging face) model.

gTTS(Text-To-Speech)
To convert generated question into
audio.

Answer recorded as voice.

ASR(Whisper-STT)
To convert recorded audio answer to
text.

to generate que on recorded answer.

genereted followup question on answer given.

gTTS(Text-To-Speech)

Followup questions
Question generated based recorded
answer.

ASR(Whisper-STT)

Feedbacks.
For every answered questions only.
Ex... Confidence, Proficiency,.....

UI Display (Result +
Feedback)