

# **Progress Summary**

## **Technologies:**

- 1) We are working with web implementation in which for server side, we are using Django as a Backend Framework & Django RestAPI for maintaining the seamless communication between front end and backend.
- 2) We are using React.js as front end library of JavaScript due to its rich ability of Code Resuability which helping us in making development fast.
- 3) For database we are using Django MYSQL.
- 4) For question generation we are using meta-llama/Meta-Llama-3-8B-Instruct.
- 5) For converting text to speech and speech to text we are using WEBSPEECH API (can be changed). The Speech Recognition API (for speech-to-text) and the Speech Synthesis API (for text-to-speech) are part of the Web Speech API, which is a browser-based API. These APIs enable web applications to process speech input and generate spoken output directly in the browser without needing external libraries or servers for basic speech processing.
- 6) For intent classification we used DistiltBert.
- 7) For NER we used RoBerta.

## **What we have done so far??**

### **DEVELOPMENT:**

- ✓ AUTHENTICATION
- ✓ RECRUITER DASHBOARD
- ✓ JOB POSTING MODULE
- ✓ VIEW POSTING PAGE
- ✓ JOB APPLICATION MODULE
- ✓ QUESTION GENERATION
- ✓ TEXT TO SPEECH & VICE VERSA
- ✓ NER
- ✓ INTENT CLASSIFICATION