Development of Flutter Application JSP with the help of Artificial Intelligence

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Abstract - **It is a mobile application, a platform where job seekers can make their profile and apply for suitable job profiles. It is AI powered JSP (job Search portal). Adding a chatbot to a website or mobile app can lead to better customer service. Thus, the chatbot market is projected to grow from $2.6 billion in 2019 to $9.4 billion by 2024, with an annual growth rate of 29.7%. Job seekers would be able to match with jobs across the globe through their resume, and they "do not need to spend Lakhs buying an Online Degree just to stand out." In recent years, Artificial intelligence has become popular in development of mobile applications. As it brings huge profits, allows you to manage business risks and scale the impact on the application environment. Job seekers from different educational background can easily filter job application and apply for right profile. And all the data is handled in the backend with the use of Firebase.**
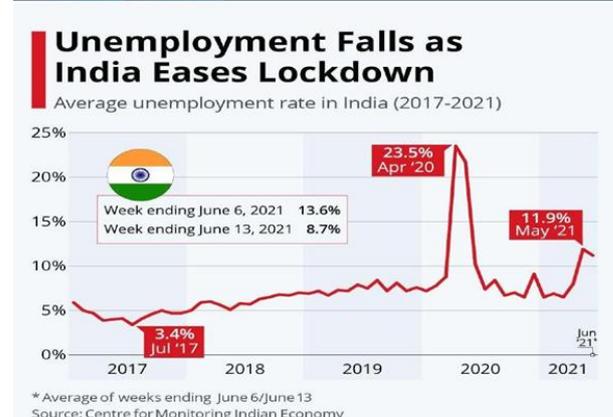
Keywords: Flutter, Firebase, Artificial Intelligence (AI), Kompose, Chat-Bot, JSP.

I. INTRODUCTION

AI based Job Search Portal (JSP) is a flutter Application, which serves jobseekers to find available job openings and help's recruiters to select eligible candidate for the role and manage the recruitment process easily. There are numbers of difficulties for job seekers to find a perfect job opening for a particular role, as most of the similar applications have vast amount of job profiles but does not provide a reliable solution for customer care and for problem solving. In this application AI based chatbot is integrated to solve most of common problem related to application profile building and making which decreases the traffic to human handles and provides immediately servers to customers. With the help "Kommunicate.io" (Kompose) chatbot is integrated in the application. MNC's does not charge any kind of fees for selection process they just need trusted partner for job postings. As this application is totally free to use user must create profile and ready to apply for a dream job. With the Online Job search portals, the recruitment process is speeded up at every stage from job postings, to receiving applications from candidates, interviewing process.

II. MOTIVATION

Unemployment occurs when a person who is actively searching for employment is unable to find work. Constant increase in population has been a big problem in India. The purpose of developing AI based Job Search portal was to cut bridge between problems facing between the recruiter and job seeker. The quick automated response that the chatbot generated helps the customers save the time and get time to time response to their queries and questions. As AI can handle different and difficult quires and it is not able to answer it diverts the conversations to human agents. posting job openings is normal but handling problem occurred in it is a different thing, we tried to solve this unique problem by implementing chatbot in it. Most of student are not aware of the correct platform for applying jobs. This application helps them as they can get all the opportunity in one single application.

III. OBJECTIVE

The objective of this application is to provide flexibility to the jobseekers by providing the functionalities of job search. Students and hiring manager can login using google

account or can create account. Students can create profile based on their skill sets and apply using the resume. For the data restoration Firebase database is used, it is a google powered database use to store data it helps user to store and analysis their applied history. This application is suitable for every kind of educational background student.
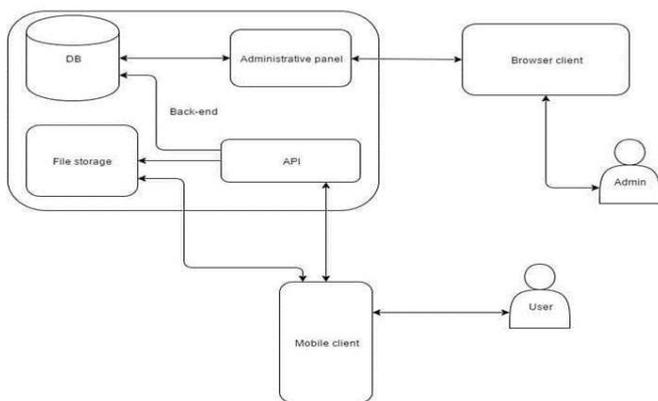
Objective of User:

Jobseekers can search, view, and apply for active job openings. All the applied jobs details are stored in the Applied section.
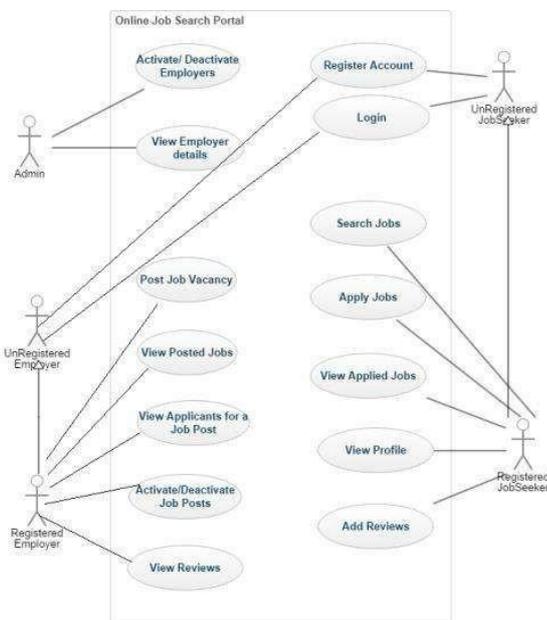
Objective of Recruiter:

Recruiter can create job profile and can manage profile e.g.; recruiter can decide the job profile activation / deactivation.

IV. SYSTEM ARCHITECTURE

V. UML DIAGRAM

VI. CONCLUSION

It has been a great pleasure for us to work on this exciting and challenging project. This project proved good for us as it provided practical knowledge of not only programming in Android Development, Restful API. but also, about all handling procedure related with "Artificial Intelligence." This will provide better opportunities and guidance in future in developing projects independently. This application provides an enhanced user experience for both employer and jobseeker. It provides user friendly and interactive interface which facilitates in reaching wide range of audience. The job search portal has achieved all the requirements that were initially defined in the requirements gathering phase.

VII. FUTURE WORK

JSP is a simple application but integrating an AI in it, makes it more complex as we must train data. In future more interactive and manageable skill can developed using AI, like resume building with AI so it can challenge ATS machines (Application tracking System). Automatic suggestions can be given by AI. E-mail sending and many more.

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