**Introduction:**

Nowadays job seekers are facing a lot of difficulties to search for a job. They run to find best job in company or industry that they get a job in a good company. Job seekers do not know what company or industry will suit for them. Especially to fresh students when they complete his graduation in BS or MS then they do not know that what I do. And what company or industry will suitable for them in the future according to their degree. Because sometime they take wrong decision. Therefore, job recommendation will best choice for them to find jobs in the company or industry.

The job recommender system, which is the online recruiting system with personalized recommendation, has been proposed to handle the aforementioned issue for job seekers and enterprises. As a recommender system, the job recommender system is capable of retrieving a list of job positions that satisfy a job seeker’s desire, or a list of talent candidates that meet the requirement of a recruiter by using the recommendation technology, for example, content-based recommender and collaborative filtering recommender which have shown success in different recommender system. job recommendation will help for them

to find jobs for them and to take correct decisions that they will job in the company or industry. And it will save effort and time of students and find jobs according to the best choice for them.

**How to recommend:**

In job recommender, recommend job for job seekers through mobile application. Job seeker will choose CV formats and fill CV data or will click on the upload CV button to upload his CV in job recommender APP to search for best job for themselves. Job recommender system will recommend job for job seeker using three filtering system.

**Content-based filtering**, also referred to as cognitive filtering, recommends items based on a comparison between the content of the items and a user profile. The content of each item is represented as a set of descriptors or terms, typically the words that occur in a document. CBF checks age, gender, skills and his degree preferences.CBF will job recommend seeing this content even will also see his location and provides job in his area. if user belongs to Faisalabad then it will recommend job in Faisalabad.

**Collaborative filtering** is a family of algorithms where there are multiple ways to find similar users or items and multiple ways to calculate rating based on ratings of similar users. Depending on the choices you make, you end up with a type of collaborative filtering approach.CF recommends jobs according to the previous users criteria. If three users have a same contents then user A have android Application job and user B as well then system will recommend same job android Application to user C. And Item based collaborative filtering Between the rating patterns of items. Since finding similar items is easier than finding similar users, and attributes of items are more stable than users’ preference, item-based methods are suitable for off-line computing.

**Hybrid Filtering** is a collection of both CBF and CF. In which we use both for job recommendation to take outcome as user wants. In which User use both filtering system at a time. In which Hybrid filtering system will apply both filtering system(CBF & CF) based on the user profiles or info etc. And then will show result for the user which will be best and according to the profile of the user.

Job recommender will recommend to user according to his Beginner, Intermediate or Expertise level. If user have a beginner level then job recommender will recommend to user in those company or industry who have offer to fresh students or beginner in his area according to his location.

And if user have a intermediate level then it will recommend according to his level. If user have a expertise level then job recommender will recommend in the best company or foreign company according to his level.

After uploading CV job recommender will recommend jobs according to the CBF, CF and IBCF as user wants. And It will create linked between the users and recruiter.

As user A uploaded CV and it wants to job of the project manager in the Faisalabad. After recommending recommender will ask from user A that other users are doing job of project managers in our company. Do you want to link with him(Friend Request)? That’s benefits will be that you can take all information about your job and you can work with them. And you can link with the all of users which already job in the project managers. And if your Facebook friend is doing job in this company then you will be received notifications about that your friend is doing already job here.