

PROJECT DOCUMENTATION

Problem statement :

- Students will have the skill but they are unable to get the desired job for skills they have.
- we are proposing an application which will help the students to give suggestions on the jobs based on the skills
- Students can also enquire about skills that are required for their desired job .

Social Impact :

- ✓ Students will be benefited they will get to know which jobs suit them based on their skill set.

Business model / Impact :

- We can provide the application for job seekers in a subscription based.
- We can share the profiles with companies and generate the revenue by providing them best profiles.

Novelty of the project :

The main purpose of the job recommendation system is recommending user satisfied job proposals based on user characteristics of demand. Novelty as one of the important metrics of job seekers satisfaction, become the focus of current research in recommendation system field. we proposed the paper combined research results about definition and algorithm of novel recommendation, and starting from the meaning of "novel", defined novelty of item in job recommendation system. Experiment proved using the definition of novelty to recommend can effectively recognize the item that the user is familiar with and ensure certain accuracy.

It is rough that using popularity of item measures the possibility of unknown. The

aforementioned methods do not consider the following 3 factors :

(1) Time effect of popularity. The aforementioned popularity is defined as self-information of the user. Obviously, popularity of the jobs is proportional to the existence time of the user. From the eye of the user, the popular item is sought after by users in the current period.

(2) User's sensitivity to popular. Due to different users in such aspects as social economy, personality, and communication with their respective characteristics, cognitive and adoption speed for new project is not the same. Some users knew the item just beginning to be popular, and some will be delay for a long time.

(3) User's activity. Many researchers generally believed that the more active user more unpopular items. We may assume that these active users is what Rodgers called "the innovator" Mentioned in the "diffusion of innovation".

Feasibility of idea :

Technical feasibility is a method which makes considerable outputs in a specific time. Technical feasibility is a approach which specifies important equipment and software that the user wants. Here the technical needs of the system may change but has the same value. Response time under specific conditions or deadlines.

The goal of the project is to divide the given data D into pieces that is D_1, D_2, \dots, D_n . It has to be done in way that the knowledge that is taken from only D_i pieces make D easily computable. Undetermined (in the sense that all its possible values are equally likely).. The scheme we are using is called the Threshold scheme.

Scalability of solution :

Scalability problem mainly arise in huge and dynamic data sets which is produced by interactions between user and item such as preferences, ratings and reviews. It is possible that when some recommendation algorithms are applied on relatively small data sets, they provide the best results, but may reflect inefficient or worst behaviour on very large datasets.

