Project Design Phase I

Literature Survey

Team ID : PNT2022TMID18265

Project Name: Project – Skill/Job Recommender Application

1. **Technical Job Recommendation System Using APIs and Web Crawling**
   Description:

   A hybrid system of Content-Based Filtering and Collaborative Filtering is implemented to recommend these jobs. Representational State Transfer (REST) APIs for web crawling have been used. This article will present a survey of e-recruiting process and existing recommendation approaches for building personalized recommender systems for candidates/job matching.

2. **e-Recruitment recommender systems: a systematic review**
   Description:
   Recommender Systems (RS) are a subclass of information filtering systems that seek to predict the *rating* or *preference* a user would give to an item. e-Recruitment is one of the domains in which RS can contribute due to presenting a list of interesting jobs to a candidate or a list of candidates to a recruiter. This web-based platform provides a vast intelligent base that can help humans to solve problems.

3. **Job Recommendation System, Machine Learning, Regression, Classification, Natural Language Processing**
   Description:
   This paper presents the development of Job Fit, a job recommendation system that makes use of a recommender system, machine learning techniques, and past data to predict the best fit candidate for a job. This provides safe, reliable, and excellent tool for sharing files in any format.

4. **Career Recommender System Using Decision Trees**
   Description:
   This study aims to form a relationship between the experiences of an individual and determine the best suitable career path in the computer science field. Decision trees are used to categorize and organize several disciplines of computer science. According to the data analysis findings, some domains are more likely to be pursued by students since they have comparable academic and professional interests.

5. **Tree-based contextual learning for online job or candidate recommendation with big data support in professional social networks**
   Description:
   In this paper, an online mining and predicting system is proposed for personalized job or candidate recommendation with big-data support. This creates a safe medium of sharing of files and user in control of the data in the whole process of sharing the files. This study has taken the employers and the prospective candidates for job and employees perspective, including factors such as recruitment, job opportunities, selection, professional networking , ease of access, less expensive communication tool, etc.