Literature survey

Date	31 October 2022
Team ID	PNT2022TMID39156
Project Name	SKILL/ JOB RECOMMENDER APPLICATION
Maximum Marks	4 Marks

DATES	TITLE	AUTHOR	PROBLEM STATEMENT	ECHNIQUE	PROS	CONS
2018	Job Recommendation based on Job Seeker Skills	I. Jorge Valverde - Rebaza ii. Ricardo Puma iii. Paul Bustios iv. Nathalia C. Silva	Although in the literature exists a variety of techniques and strategies used as part of job recommender systems, most of them fail to recommend job vacancies that fit properly to the job seekers profiles.	Text processing and recommendation methods.	Making publicly available a new dataset containing job seekers profiles and job vacancies.	Focus on performing a more exhaustive evaluation considering a greater amount of methods and data as well as comprehensive evaluation of the impact of each professional skill of a job seeker on the received job Recommendation.

2018	A Combined Representation Learning Approach for Better Job and Skill Recommendation	I.Vachik S.Dave ii.Baichuan Zhang iii.Mohammad AlHasan iv.Khalifeh AlJadda v.Mohammed Korayem	An excellent ob ecommender system not onlenables to ecommend a higher paying ob which is maximally aligned with th skill-set of the current job, also suggests o acquire few additional skills which ar required to assume the new position.	i.Job-Transition network ii.Job-skill network iii.Job-ccurrence network	i.Pairwise ranking objective ii.Providing High quality job recommendation	Skill-gap accurate identification skill match
2018	Talent Search and Recommendation at Linkedin	i.Sachin Cem ii.Geyik Ketan Thakkar	The talent search system could be quite complex combining several structured fields	Talent Search Recommendati on Candidate Retrieval and Ranking	Recruiters can search the candidates for the job openings	The recruiter or HR may not able to express their hiring needs in the form of a search query(ob posting).

2019	Tripartite Vector Representations for Better Job Recommendation	i.Mengshu Liu ii.Jingya Wang iii.Kareem Abdelfatah iv.Mohammed Korayem	To match the right person with the right job, a good representation of job postings is required. Such representations should ideally recommend jobs with fitting titles, aligned skill set, and reasonable commute.	Graph by the combination of title, skill and location.	This allows us to gain a representation of job postings/ resumes using both elements, which subsequently can be combined with location.	Develop an inductive learning framework to accommodat newly emerg job titles and skills and representatio vectors only exist if it is in the input graph.
2019	The AI Behind LinkedIn Recruiter search and Recommendation Systems	i.QiGuo ii.Sachin Cem Geyik	It uses existing information in your profile	i.Non-linearmodeling With Gradient Boosted Decision Trees ii.Deeplearning	Easily attach your LinkedIn resume to any job application.	i.Gett spammessag ii.Tak too much tim while using iii.Ther is noopportuni for reference
2019	A-Map Based Job recommender Model	i.Manal Aliyhieth ii.Amal A.Shargabi	People often search their job openings on a particular website. Many of the system does not offer mapping support.	Content-Based recommendatio n Location Based Search	This system provides the mapping support in order to increase the job search	Sometimes complicated understand map that was provided

2020	Efficient and Scalable job Recommender System	i.Ravita Mishra ii.Sheetal Rathi	Incomplete Description, Information overload	i.Collaborative content ii.Graph-based filtering	In this technique, the user can access the information he/she may have been interested in the past. Accuracy, measure application domain efficiency	Lack of good evaluation measure, scalability, privacy and security.
2020	Job Recommendation Profile Clustering and Job Seeker behavior	i.Mhamdi.D ii.Azzouazi.M	In Big Data, both employees and job seekers are confronted with increasing data overload and time consuming.	K-clustering Profile Clustering.	Job offers can be collected from the websites. Job offers can be divided into Job clusters based on the features.	i.Increasing dataoverloaded ii.Time consuming process.
2021	Implementation K-Means Clustering Method in Job Recommendation System	i.Betty Dewi Puspasari ii.Andy Pramono iii.Aang Kisnu Darmawan	Finding job vacancies is a problem for students who have just completed their studies in higher education because they still do not have work experience so they are required to look for jobs that really match their criteria	K-Means Clustering method	This application can provide solutions to companies and applicants in finding workers or jobs using a recommendation system	With the different representations of the data, the results achieved are also different.

2022	Job Recommendation System Using Hybrid Filtering	i.Aneesh Mulay, ii.Shriyash Sutar iii Jiten Patel iv.Aditi Chhabria, v.SnehalMumbaikar	Many fresher candidates face issues while job recruitment process to undergo which field of interest	Hybrid Filtering	The application will be user friendly and the user just has to fill in basic details such as his past years of experiences, project, internship,etc. The rest of recommending the job to the users will be done safely by the recommendation model of this project.	content-based and collaborative approach have their own disadvantages