Project Design Phase-I

Literature Survey

Date	**19 September 2022**
Team ID	**PNT2022TMID11942**
Project Name	**SKILL AND JOB RECOMMENDER APPLICATION**
Maximum Marks	**4 Marks**

YEAR	TITLE	AUTHOR	PROBLEM STATEMENT	TECHNIQUE	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. MohammadAl Hasan iv. Khalifeh AlJadda v. Mohammed Korayem	An excellent job recommender system not only enables to recommend a higher paying job which is maximally aligned with the skill-set of the current job, but also suggests to acquire few additional skills which are required to assume the new position	i. Job-transitionnetwork ii. Job-skill network iii. Job - occurrence network	i. Pairwise Ranking Objective ii. Providing highquality 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 Recommendation 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. KareemAbdelfatah 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 accommoda 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 spammessa ii. Taki toomuch tim while using iii. Ther is noopportunit 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 t map that wa provided
2020	Efficient and Scalable job Recommender System	i. Ravita Mishra ii. Sheetal Rathi	Incomplete Description, Information overload	i. Collaborativecontent 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. Betty Dewi Puspasari iii. Andy Pramono iv. 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