Ideation Phase

Literature Survey on The Selected Project & Information Gathering

Date	07 October 2022
Team ID	PNT2022TMID18359
Project Name	**Project –** Skill / Job Recommender Application
Maximu mMarks	4 Marks

Literature Survey:

S.no	Title	Author	Description	Advantages	Disadvantages
1.	Job Recommendatio n based on Job Seeker Skills: An Empirical Study	Jorge Valverde EPR	A framework for job recommendation task is proposed. It facilitates the understanding of job recommendation process as well as it allows the use of a variety of text processing and recommendation methods according to the preferences of the job recommender system designer .It also contribute making publicly available a new dataset containing job seekers profiles and job vacancies.	It facilitates the understanding of job recommendation process as well as it allows the use of a variety of text processing and recommendation methods according to the preferences of the job recommender system designer	The data set is not that greater and less exhaustive performance evaluation
2.	Skills2Job: A recommender system that encodes job offer embedding's on graph database	Anna Giabelli EPR	A recommender system that identifies a suitable job starting from a set of user's skills is been proposed and a data driven approach,extracting information from a large dataset of 2.5M+ Online Job Vacancies through distributional semantics and co-occurrence statistics was used. The information extracted is organized in a graph database, which can be queried to enable several recommendations. Results were evaluated by labor market experts and show a high precision in identifying jobs starting from a set of skills and a high correlation between experts' judgments and the recommendation's rank.	Extracting information from a large dataset of 2.5M+ Online Job Vacancies through distributional semantics and co-occurrence statistics.	The evaluation fits only co-occurrences statistics

3.	Job Recommendation based on Job Profile Clustering and Job Seeker Behavior	D. Mhamdi EPR	A job recommender model aiming to extract meaningful data from job postings using text-clustering methods. As a result, job offers are divided into job clusters based on their common features and job offers are matched to job seekers according to their interactions	It provides a clear data which will be easy to access by the user and interact as the data's are divided into clusters	Past Interactions towards job offers are not considered
4.	A Map-based Job Recommender Model	Manal Alghieth EPR	This work proposed a personalized and map-based job search model. The model was theoretically based on the existing recommender systems in the literature and used content-based recommendation with integration of mapping feature for location-based search which has never been used in the previous systems.	It has the feature for location-based search	These systems do not offer mapping support
5.	Job Seeker to Vacancy Matching using Social Network Analysis	Sisay Chala	The paper discusses the general framework of online recruitment system and provides the role of social networking data as one component of the system to improve the accuracy of skill measurement in jobseeker modeling. It also explored the importance of social networking data in the jobseeker-to vacancy matching in online recruitment systems and presents methods of measuring skills. Furthermore, it explored the role of relationships between users and their knowledge of the skill of their connections in	It improves the accuracy of skill measurement in jobseeker modeling.	It lacks the consideration of qualifications and certifications in the analysis process.

			determining the skill levels to model job seekers which will then be used as input to context-aware job recommendation system showing promising results of preliminary experiment.		