Literature Survey

S.No	Authors	Topic	Description	Limitation
1.	Jorge Valverde-Rebaza Ricardo Puma Paul Bustios Nathalia C. Silva	based on Job Seeker Skills: An Empirical Study" Department of Scientific Research, Visibilia, CEP	processing techniques, the researchers have automatically extracted skills from job seeker profiles. The experimental	down the scope and focus of job recommendation only for Information Technology. Also the time complexity of this system increases when the scope

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2.	Anna Giabelli, Lorenzo Malandri, Fabio Mercorio, Mario Mezzanzanica, Andrea Seveso,	"Skills2Job: A recommender system that encodes job offer embeddings on graph databases", Applied Soft Computing,	that identifies the most suitable jobs as they emerge from a large dataset of Online Job Vacancies based on a	and will be deemed better if there was

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3.	Shaha T. Al-Otaibi and Mourad Ykhlef	Systems for Enhancing recruitment Process",	systems in candidates/job matching problems. Additionally, in order to give a clear understanding of the job	The recommendationsystem needs to focus more on quality than quantity.

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4.	Vachik S. Dave, Baichuan Zhang, Mohammad Al Hasan, Khalifeh AlJadda and Mohammed Korayem	"A Combined Representation Learning Approach for Better Job and Skill Recommendation ".	The paper propose a novel representation learning based solution to address the job and skill recommendation task. The proposed representation learning model utilizes the pairwise ranking objective which learns job and skill vector representations into a shared latent space using three pre-processed graphs. The experimental results on the CareerBuilder dataset and case studies demonstrate that our proposed methodology consistently outperforms several existing state-of-the-arts for the job and skill recommendation.	A limitation of our proposed representation learning framework is that it is transductive, i.e., it learns representation vectors of jobs and skills that are available in the input graphs

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5	Jorge Valverde-Rebaza Ricardo Puma Paul Bustios Nathalia C. Silva	"Job Recommendation based on Job Seeker Skills: An Empirical Study"	This paper focuses on recommendation of job vacancies for Information Technology professionals acting in the Brazilian market. There are 3 stages: data collection, data preparation and recommendation. In the data collection phase data is collected from a recruitment site called catho and linked in for the validity issues. This paper proposed a framework for job recommendation task. This framework 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 presented recommendation system can make use of more features.

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6.	Amber Nigam, Aakash Roy, Arpan Saxena, Hartaran Singh	"Job Recommendation: Leveraging Progression of Job Applications"	This paper demonstrates a novel blended approach that leverages progression of job selection by candidates and attempts to make job recommendations serendipitous. Using blended methods, recommendations suggested to candidates are based on their interaction history with jobs, along with jobs that are a) similar to the other jobs applied by the candidate and b) applied by similar candidates. The approach naturally solves the candidate and job cold-start problem in the absence of interaction data.	Recommendation using similar candidates and jobs forms part of non-machine learning based recommendations and only the initial results seems promising.

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7.	Naresh Kumar, Manish Gupta, Deepak Sharma, and Isaac Ofori	Technical Job Recommendation System Using APIs and Web Crawling	compared.Additionally,an aggregation plus recommender system has been devised. Content-Based Filtering recommends the results based on matching the personal preferences , collaborative filtering recommends	process is required, when a new company is added to the database. In other words, removing the one-time configuration step/process to fetch jobs of a particular new

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8.	Corné de Ruijt, Sandjai Bhulai	"Job Recommender Systems: A Review"	In this paper, we have considered the job recommender system (JRS) literature from several perspectives. These include the influence of data science competitions, the effect of data availability on the choice of method and validation, and ethical considerations in job recommender systems. Furthermore, we branched the large class of hybrid recommender systems to obtain a better view on how these hybrid recommender systems differ. Both this multi-perspective view, and the new taxonomy of hybrid job recommender systems has not been discussed by previous reviews on job recommender systems.	have used the semantic representation of jobs and job seekers as features in a boosting model, instead of using the similarity between the two as feature, it would have been classified as MM-SE.