

# LITERARY SURVEY

S.No	Reference Papers	Algorithm	Advantages	Disadvantages
1)	Efficient and Scalable Job Recommender System Using Collaborative Filtering (LNEE,volume 601 , May 2020)	Algorithm used in this paper is Content-based and collaborative filtering.	This model can be used to discover new and wider interests.	Sparsity and cold start problem are major challenges in this model.
2)	Machine learned job recommendations - ACM Conference on Recommender Systems	Algorithm used in this paper is supervised machine learning techniques	This model can continuously keep learning from its previous data sets and improve	Clustering or classifying data by discovering features by its own isn't possible in this model
3)	Technical Job Recommendation System Using APIs and Web Crawling – Computational Intelligence and neuroscience , 2022	Algorithm used in this paper is Collaborative filtering along with REST API	This model develops a fully functional user interface supporting a job aggregator and recommendation system.	Scalability of the algorithm / dataset will be a challenge.
4)	Job Recommendation System Using Machine Learning And Natural Language Processing - Dublin Business School	Algorithm used in this paper is Rule based filtering, Hybrid Based Filtering	This model recommends an item based on the demographic region of a user, purchase history.	Here the user feeds the information to the system. These inputs are utilized as a description or can be considered as a preference of a user. Thus the data acquired is prone to bias.
5)	Enhanced DSSM (deep semantic structure modelling) technique for job recommendation	Deep semantic structure modelling (DSSM) system uses the semantic representation of sparse data and it represents the job description and	This model and its other variants provide promising results in solving cold start problem	The existing system uses doc2vec approach to represent data which at times fails in sparse data.

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		skill entities in character trigram format		
6)	Job recommendation based on job profile clustering and job seeker behaviour- International Workshop on AI and smart city applications	Text clustering and AI/ML algorithms are used .	This algorithm is simple and easy to implement	The accuracy level is low since there are a lot of potential matches for a keyword
7)	Automatic Recommendation of Web Pages in Web Usage Mining- C.P. Sumathi	Mining Offline and online components for pattern analysis is used	This algorithm improves quality of prediction and removes Scalability issue	Authentication issue( lack of user information)