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| S.No | Reference Papers | Algorithm | Advantages | Disadvantages |
|  | 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. |
|  | 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 |
|  | 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. |
|  | 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. |
|  | 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 skill entities in character trigram format | 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. |
|  | 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 |
|  | 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) |