Literature Survey

College Name :K.L.N. College of Information and Technology

Department :Computer Science and Engineering

Team Leader :Balagi.P

Team Member :DineshKumar.P

Team Member :Selvam.N

Team Member :Rathinavel.P

S.No	TITLE	PROPOSED WORK	TOOLS USED/ ALGORITHM	TECHNOLOGY	ADVANTAGES/ DISADVANTAGES
1	Job Recommendation based on Job Seeker Skills: An Empirical Study	In this paper, we proposed a framework for job recommendation task. It allows the use of a variety of text processing and recommendation methods according to the preferences of the job recommender system designer.	• Collaborative Filtering • Content-based Filtering • Knowledge-Based Approach. • Hybrid Approach.	• Machine Learning • Word2vec model	Word2vec is a predictive model which is used for learning vector representations of words.

2	A survey of job recommender systems	The Internet-based recruiting platforms become a primary recruitment channel in most companies. In order to improve the e-recruiting functionality, many recommender system approaches have been proposed.	• Collaborative filtering approach • Model-based CF methods • Content-based filtering approach • Knowledge-based approach	• Data mining • Machine learning techniques	They work well for complex objects

S.NO	TITLE	PROPOSED WORK	TOOLS USED/ ALGORITHM	TECHNOLOGY	ADVANTAGES/ DISADVANTAGES
3	Job Recommendation: Leveraging Progression of Job Applications.	In this paper, we introduce a methodology where we leverage the progression of job selection by candidates using machine learning.	• Machine Learning algorithms • Tree-based approaches. • Bi-LSTM model.	• Machine Learning • Deep neural networks	Bi-LSTM model can leverage both past as well as future candidate-job interactions to learn some of the latent job preferences of candidates and predict if they will likely interact with given jobs.

4	Job Recommendation Systems for Enhancing E-recruitment Process.	Recommender system technology aims to help users in finding items that match their preferences and it successfully deals with problems related to information overload efficiently. .	• Collaborative Filtering • Content-based Filtering • Knowledge-Based Approach. • Hybrid Approach.	• Machine Learning	By combining all these approaches the recommendation systems can perform better and overcome challenges.

S.No	TITLE	PROPOSED WORK	TOOLS USED/ ALGORITHM	TECHNOLOGY	ADVANTAGES/ DISADVANTAGES
5	Job Recommendation From Semantic Similarity of LinkedIn Users' Skills	Job recommendation systems have been proposed in order to automate and simplify task, also increasing its effectiveness. Our work aims to find out relationships between jobs and people skills making use of data from LinkedIn users' public profiles	• Latent Semantic Analysis (LSA) • Hierarchical clustering	• Natural language processing(NLP)	The accuracy grows as the number of recommendations to be returned is raised

6	Job Recommendation based on Job Profile Clustering and Job Seeker Behavior	job offers are collected from job search websites then they are prepared to extract meaningful attributes such as job titles and technical skills.	• K-means clustering • Content based filtering • Collaborative filtering recommendation	• Data mining • Natural language processing(NLP)	Cluster analysis approach helps to identify groups of job offers according to the degree of similarity, or dissimilarity between their features.