Skill and Job Recommender

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Abstract

The Skill and job recommender application is an end-to-end web application.This application capable of displaying the current job openings based on the user skillset. This skill and job recommender will give solutions through which the fresher or the skilled person can log in and find the jobs by using the search option or they can directly interact with the chatbot and get their dream job.An alert is sent when there is an opening based on the user skillset. User can also be able to chat interact with chatbot and can get the recommendation based on their skills. Moreover, the information related to the jobs availability or the openings can be fetched using job search api and the recommendations details can be send to the user.

S.NO.	Journal Paper Title	Author's Name & Year	Source	Findings
1.	Help Me Find a Job: A Graph-based Approach for Job-Recommendation at Scale	Walid Shalaby, BahaaEddin AlAila, Mohammed Korayem, Layla Pournajaf, Khalifeh AlJadda, Shannon Quinn, and Wlodek Zadrozny. [2017]	IEEE	The recommendations system are successfully advancing in variety of online domins by creating social and commercial value,also this overcomes the major challenges of scalability and sparsity by leveraging a directed graph of jobs connected by multi-edges representing various similarity signals.

S.NO.	Journal Paper Title	Author's Name & Year	Source	Findings
2.	A Mobile Proximity Job Employment Recommender System	Motebang Daniel Mpela and Tranos Zuva. [2020]	IEEE	Mobile recommending app,with the rapid growth of internet tech many IT companies changed to r-recruiting.This is based on filtering algorithm to enable the initial selection of suitable jobs for candidate at a specified area.

S.NO.	Journal Paper Title	Author's Name & Year	Source	Findings
3.	A recommender system for job seekers to show up companies based on their psychometric preferences and Company sentiment scores	Amanulla Ashraff, Fathima Farhath [2020]	IEEE	Hybrid recommender system, Gather information on job seekers which includes their psychometric evaluations then compares rather outputs on which company is most suitable for seeker.Information related to the scores their reviews based on user review sentiments.

S.NO.	Journal Paper Title	Author's Name & Year	Source	Findings
4.	Adaptive Methods for Job Recommendation Based on User Clustering	Quoc-Dung Nguyen, Tin Huynh, Tu-Anh Nguyen-Hoang. [2016]	IEEE	Designed to suggest a ranked list of jobs,this is based on clustering-Employee clustering by grouping into different cluster and include CB-Plus ,CF-Filter ,HyR-Filter have applied for different three cluster.

S.NO.	Journal Paper Title	Author's Name & Year	Source	Findings
5.	Design of information system architecture for the recommendation of tourist sites in the city of Manta, Ecuador through a Chatbot	David Arteaga, Juan Arenas, Freddy Paz, Manuel, Mariuxi Bruzza [2019]	IEEE	Chatbot-the virtual assistants that interact with people through chat bot .Integration of web services ,such as IBM Watson Assistant and google dialog flow will be presented.

S.NO.	Journal Paper Title	Author's Name & Year	Source	Findings
6.	Job Recommender Systems: A Survey	Juhi Dhameliya, Nikita Desai. [2019]	IEEE	This have been used for building the personalized recommendation system for job seekers as well as recruiters.

S.NO.	Journal Paper Title	Author's Name & Year	Source	Findings
7.	SMART COLLEGE CHATBOT USING ML AND PYTHON	Hrushikesh Koundinya K, Ajay Krishna Palakurthi, Vaishnavi Putnala, Dr. Ashok Kumar K [2021]	IEEE	This project aimed to implement online chatbot system to assist users who access college website, using tools that expose Artificial Intelligence methods such as Natural Language Processing,allowing users to communicate with college chatbot using natural language input and to train chatbot using appropriate Machine Learning methods so it will be able to generate a response.

S.NO.	Journal Paper Title	Author's Name & Year	Source	Findings
8.	Job Recommendation System based on Machine Learning and Data Mining Techniques using RESTful API and Android IDE	Harsh Jain, Misha Kakkar [2019]	IEEE	The data communicated through APIs is fed into the database and the Recommendation System uses that data to synthesize the results. To make the existing systems even more reliable, here efforts have been done to come up with the idea of a system that uses a wide variety of factors and is not only a one-way recommendation system.

S.NO.	Journal Paper Title	Author's Name & Year	Source	Findings
9.	Collaborative Job Prediction based on NaIve Bayes Classifier using Python Platform	Dr. Savita Choudhary, Siddanth Koul, Shridhar Mishra, Anunay Thakur, Rishabh Jain. [2016]	IEEE	The service-oriented architecture implements a push-pull mechanism and an underlying algorithm based on collaborative filtering techniques. Preliminary studies show that the infrastructure can effectively infer the levels of expertise of potential crowd workers based on their profile and past performance history.

S.NO.	Journal Paper Title	Author's Name & Year	Source	Findings
10.	Using Collaborative Filtering to Automate Worker-Job Recommendations for Crowdsourcing Services	Julian Jarrett, M. Brian Blake. [2016]	IEEE	The service-oriented architecture implements a push-pull mechanism and an underlying algorithm based on collaborative filtering techniques. Preliminary studies show that the infrastructure can effectively infer the levels of expertise of potential crowdworkers based on their profile and past performance history.

Thank You!