LITERATURE SURVEY

Skill / Job Recommender Application

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ABSTRACT

Having lots of skills but wondering which job will best suit you? Don't need to worry! We have come up with a skill recommender solution 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.

To develop an end-to-end web application capable of displaying the current job openings based on the user skillset. The user and their information are stored in the Database. An alert is sent when there is an opening based on the user skillset. Users will interact with the chatbot and can get the recommendations based on their skills. We can use a job search API to get the current job openings in the market which will fetch the data directly from the webpage.

BOOK/ JOURNAL	AUTHOR'S NAME	INFERENCE
Job, Recommendation based on Job Seeker Skills: An Empirical Study, 2018.	Jorge Valverde-Rebaza , Ricardo Puma, Paul Bustios, Nathalia C. Silva.	Job search is a task commonly done on the Internet using job search engine sites like Linked In, Indeed, and others. Commonly, a job seeker has two ways to search a job using these sites: 1) doing a query based on keywords related to the job vacancy that he/she is looking for, or 2) creating and/or updating a professional profile containing data related to his/her education, professional experience, professional skills and other, and receive personalized job recommendations based on this data.
A survey of job recommender systems, 2012.	Shaha T. Al-Otaibiand Mourad Ykhlef	The fast growth of the Internet caused a matching growth of the amount of available online information that increased the need to expand the ability of users to manage all this information. This encourages a substantial interest in specific research fields and technologies that could benefit the managing of this information overload. The most important fields are Information retrieval and Information filtering. Information retrieval deals with automatically matching users information and Information filtering aims to assist users eliminating unwanted information

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Skill-based Career Path Modeling and Recommendation	Aritra Ghosh, Beverly Woolf, Shlomo Zilberstein, Andrew Lan	New skills and knowledge are needed for jobs in the future due in part to the rapid development of workplace technology such as artificial intelligence and internet of things. Jobs in the future will likely require skills that are not taught in schools nor in standard training programs. Instead, workers will have to either upskill as they move to new jobs within the same industry, or reskill themselves through the lifelong learning process to move to another industry.
Job Recommendation through Progression of Job Selection	Amber Nigam, Aakash Roy, Hartaran Singh, Harsimran Waila	Through this paper, we are introducing a novel machine learning model which uses the candidates job preference over time to incorporate the dynamics associated with highly volatile job market. In addition to that, our approach comprises several other smaller recommendations that contribute to problems of 2 a)generating serendipitous recommendations b) solving the cold-start problem for new jobs and new candidates.
Job Recommendation System Using Machine Learning And Natural Language Processing	Jeevankrishna	In this paper scrape data from Job board to create offline Job dataset.develop a user profile based on stack overflow survey data.construct a recommender model that can address cold start issue. devise recommender model which recommends Job to the job seeker based on skills.