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Job Recommendation for Daily Paid Workers using Machine Learning

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Abstract: In the last years, job recommendation systems have become popular since they successfully reduce information overload by generating personalized job recommendation. One such field where recommender frameworks can play a vital role is to help unskilled workers who works on daily wages basis by recommending a job based on their skills and interest. In the current scenario, with an abundance of different industries and fields, a huge number of jobs are available for the skilled and literate professionals. It is not difficult to find suitable jobs for a person after his field has been identified but the main obstacle for achieving this goal is lack of information and awareness. The problem is that there is no such relevant recommendation system available currently soalso the one particular challenge is the presence of various third parties between the job seeker and the desired employment opportunity. These intermediaries can complicate the job search process. To address this issue, we proposed the "Job recommendation system for daily paid workers" by analysing the skills of a particular worker and then finding appropriate jobs in his area of expertise. By eliminating the involvement of third-party intermediaries, we aim to establish a direct connection between the worker and the desired job. To make this system even more robust, a wide variety of factors are taken into consideration while recommending jobs to workers.

Keywords: Recommendation System, Content-based recommendation, K-Means Clustering, Machine Learning

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