

Use of an Improved Online Job Recommendation System to Search Job Roles and Vacancies

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Finding the perfect job is the main purpose of Higher Education for young individuals. For this purpose, nowadays, there are a lots of job portals available in Sri Lanka, where job seekers discover work opportunities and vacancies according to their preferred job titles. Yet for this, the seeker has to have a clear idea about at least several job titles or roles in a company. Not every person who uses these portals has knowledge of jobs and job positions, and most might know only a few job positions, while they might not have ever heard of some. With the outbreak of the COVID-19 pandemic situation, the whole world has been suffering for almost 2 years now. Changes have happened in every sector in continuing with daily processing during the pandemic. Many researchers have already proposed matching approaches by developing ontologies as a reference to mediate matching accuracy approximately. However, these approaches do not prove how closely matched applicants are in relation to their core skills. This research paper proposes a method that uses a proper approach for improved keyword searching, by influencing the comparability between concepts in the judgment, which represents the core skills and qualifications needed for a job to decide how closely matched an applicant is during the job searching process, mainly focusing on two recommendation processes; job role recommendation and job vacancy recommendation.

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