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(57) Abstract :

In today's global economy, the challenge associated with finding a job is amplified by the technicalities associated with the Job search process. Normally when we want to apply for a job, we search the newspatents, listen to radio and television broadcasts that may advertise vacancies, register ourselves with many job search sites such as Academickeys.com, Monster.com, Careerbuilder.com and so on. Many employers do not directly register themselves with these mediums to provide full details of their job specifications but instead post important details on their company's website only. Therefore we do not always get to know all the vacancies, the nature and status of the employer to decide if this is the sort of job that is being sought for. Also at times we get flattered by the company's profile but don't get information about the rating of the company by the existing or past employee in terms of salary and so. Taking all these into consideration we propose to develop an intelligent agent (instead of a human agent)[1-3] to perform the same search operations by interacting with the employer and job search coordinator agents. We propose to use an agent based utility concept to provide suitability profiling based on configurable factors such as distance from work, days and shift requirements, work environment, safety and hazard considerations, remuneration, skill-set, etc. The proposed system would be based on the ANDROID, JADE, LEAP technologies to provide mobile and web based accessibility. These agents would function based on fuzzy preference rules, to make a proper decision in getting a list of jobs corresponding to the user desired specification. The patent is organized in sections as follows. Section 2 provides details on Agent Based Systems, Ontology Agent Based Utility and Job search theory with motivation towards developing an Agent based Job Search system. Section 3 gives details on the Intelligent Job Search System with fuzzy preferences. Section 4 gives the implementation details on JADE-LEAP[4-5] and Android 2.2 with Google Maps API.

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