Study and Implementing Expert System with Natural Language Processing (NPL) Features in an Online Recruitment Portal

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ABSTRACT

This project is about building a job portal for job seekers and company/organizations. Job seekers would be allowed to log on to site and browse through different jobs categories. The job portal also allowed job seekers to apply for a job base on the area of specialization. Furthermore, the job portal would allow job seekers to create online resume or upload existing resume from local computer to the portal. The portal would include the implementation of an expert system using Natural Language Processing (NLP). The main purpose of implementing Natural Language Process is to allow job seeker to chat with an intelligent agent to assist them in looking for jobs that could be suitable for them. The intelligent agent would exist in such a way that it can interact with job seekers. The system would have the ability to match the job seeker with a job that is appropriate for them based on the conversation with the intelligent agent. The system is meant to ease the process of online job seeking, as it would have the ability to scrutinize and help job seekers for the appropriate jobs. The system would also have a certain part that would ease the convenience of finding job seekers by companies and personals in need of them.