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Job Recommended System

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Abstract: ***The Internet-based recruiting platforms become a primary recruitment channel in most companies. While such platforms decrease the recruitment time and advertisement cost, they suffer from an inappropriateness of traditional information retrieval techniques. The developed system is job recommendation system for job seeker. Supported profile similarity degree, preference lists of companies and students are generated. The job seekers can apply for the chosen job. Here there is also a provision for online-test. The question patterns are going to be dynamic. The marks are often calculated and therefore result is going to be immediately displayed. This is often useful to calculate our ability to answer the questions in an interview.***

I. INTRODUCTION

Job recommendation system is used to recommend a job for a job seeker. This system collects the job description and candidates profiles. Candidates were asked to gauge whether the profiles interested to them with respect to their careers perspectives and planning. Then it will assessed and recommend employability.

In this software we access the test for the job seeker. In order that the job recommender will access the ability of the job seeker. This test will have certain percentage to pass. Based on the percentage job recommender will choose the job seeker.

II. LITERATURE SURVEY

Shaha T. Al-Otaibi1 and Mourad published a paper named as" A survey of job recommender systems " [6]. Recommender systems are being broadly accepted in various applications to suggest products, services, and information items to latent customers. Many e-commerce applications join recommender systems in order to expand customer services, increase selling rates and decrease customers search time (Schafer et al., 1999). For example, a wide range of companies such as the online book retailer Amazon.com (Linden et al., 2003), books (Mooney and Roy, 2000), and news articles (Das et al., 2007). Additionally, Microsoft provides users many recommendations such as the free download products, bug fixes and so forth (Shani and Gunawardana, (2011). All these companies have successfully set up commercial recommender systems and have increased web sales and improved customer fidelity. Moreover, many software developers provide stand-alone generic recommendation technologies. The top providers include Net Perceptions, Epiphany, Art Technology Group, Broad Vision.

Wenxing Hong, Siting Zheng, Huan Wang proposed a system "A Job Recommender System Based on User Clustering" [7]. In this paper, we first provide a comprehensive investigation of four online job recommender systems (JRSs) from four different aspects: user profiling, recommendation strategies, recommendation output, and user feedback. In particular, we summarize the pros and cons of these online JRSs and highlight their differences. We then discuss the challenges in building high-quality JRSs. One main challenge lies on the design of recommendation strategies since different job applicants may have different characteristics. To address the aforementioned challenge, we develop an online JRS, iHR, which groups users into different clusters and employs different recommendation approaches for different user clusters. As a result, iHR has the capability of choosing the appropriate recommendation approaches according to users' characteristics. Empirical results demonstrate the effectiveness of the proposed system.

Ahmed Elsafty and Martin Riedl and Chris Biemann proposed a system "Document-based Recommender System for].Job Postings using Dense Representations"[2]. Job boards and professional social networks heavily use recommender systems in order to better support users in exploring job advertisements. Detecting the similarity between advertisements is important for job recommendation systems as it allows, for example, the application of item-to-item based recommendations. In this work, we research the usage of dense vector representations to enhance a large-scale job recommendation system and to rank German job advertisements regarding their similarity. We follow a two-folded evaluation scheme: (1) we exploit historic user interactions to automatically create a dataset of similar jobs that enables an offline evaluation. (2)In addition evaluate the best performing method on our platform reaching more than 1 million users. We achieve the best results by combining job titles with full-text job descriptions. In particular, this method builds dense document representation using words of the titles to weigh the importance of

words of the full-text description. In the online evaluation, this approach allows us to increase the click-through rate on job recommendations for active users by 8.0%.

Deepali V Musale, Mamta K Nagpure published a paper named as "Job Recommendation System Using Profile Matching And Web-Crawling" [3]. The developed system is job recommendation system for campus recruitment which helps college placement office to match company's profiles and student's profiles with higher precision and lower cost. For profile matching, two matching methods are used: semantic matching, tree-based knowledge matching and query matching. These methods are integrated according to representations of attributes of students and companies, and then the profile similarity degree is acquired. Based on profile similarity degree, preference lists of companies and students are generated. Also students can perform keyword based search for job profiles from various job recruitment sites (e.g. Naukari.com, indeed.com). For obtaining data from online recruitment sites system uses web crawling. With loop matching, matching results would be further optimized and provide more effective guidance for recommendation.

III. EXISTING SYSTEM

In the existing system an outsized sort of job recommendation systems exist already that attempt to provide one or opposite aspect of knowledge by applying different methods. The key problem is that the majority of job hunting websites just provides recruitment information to website viewers. Students need to retrieve information among those displayed by websites to find jobs they want to apply. The whole procedure is lengthy and inefficient. Additionally, many e-commerce websites, uses collaborative filtering algorithm without considering user's resume and item's properties.

An online job recommendation system that classifies users into groups by using historical behaviors of users and individual information then uses the acceptable recommendation approach for every group of users. This approach is suitable for the cases during which different users may have different attributes and a one recommendation approach might not be appropriate for all users.

IV. DRAWBACKS

The existing program is applicable only for the adequacy check, because all the input values known are less accurate.

A. In existing system design, the dynamic changes are not applicable.
B. In an existing system, if the users like to change any input, there is no way to change the input.
C. If the user wants to change the input, the execution of the program is restarted to implement the changes.
D. The existing project was developed using ASP. It contains less efficiency.
E. Online Testing is not available in existing project.
F. Lot of scripts is used in existing project.

V. PROPOSED SYSTEM

The proposed system should overcome all the disadvantages of the existing system.

Thus the proposed system will collect the candidate's profiles and job Company details. This technique will evaluate whether the profiles of job seeker is matched with the job recommender based on test score taken by job seeker. Then the matched candidates will have test within the software itself. The test is to spot the knowledge of job seeker. Based on the test result only the job recommender will choose the job seeker.

In our system we have divided the whole system into four modules:-

A. Administrator module
B. Candidates module
C. Company module
D. Assessment module

VI. ADVANTAGES OF PROPOSED SYSTEM

A. Easy way for recruiting
B. No need to spend money for advertising
C. Best method to gauge the candidate's knowledge and skills.

VII. METHODOLOGIES

A. Administrator Module

This module plays vital role within the system. This may evaluate the candidates and Company need and recommend the work

B. Candidates Module

This module contains registration form to be filled then login with name and password of the employee. Then the candidates will insert the resume.

C. Company Module

This module contains login form to be filled with name and password of Company. Then the Company will give the job description

D. Assessment Module

This module contains test for the candidates for recruitment. The test will have some certain percentage to pass.

VIII. EXPERIMENTAL RESULT

This device is used to recommend a job for a job seeker. It reduces the difficulty of the organization. It is an efficient way to apply online to the available companies. This also provides the Company an option to recruit the suitable persons very easily Probably this reduces the time of Company instead of conducting interview for a basic application for a job itself. Then our project helps the job seekers to check their ability with the available online test. Then several search models like location wise, position wise and experience wise search is possible here and it also reduces the time for it.

IX. CONCLUSION

The project Online recommended system is found to be working effectively and sufficiently. The system was tested and located to be error free. The software is developed using ASP.net as the front end. Our proposed system is using the database Ms SQL Server as its backend. This system is capable of working with Internet. The Online Pages are designed using ASP.NET. Further if there's any modification is required, implement in future.

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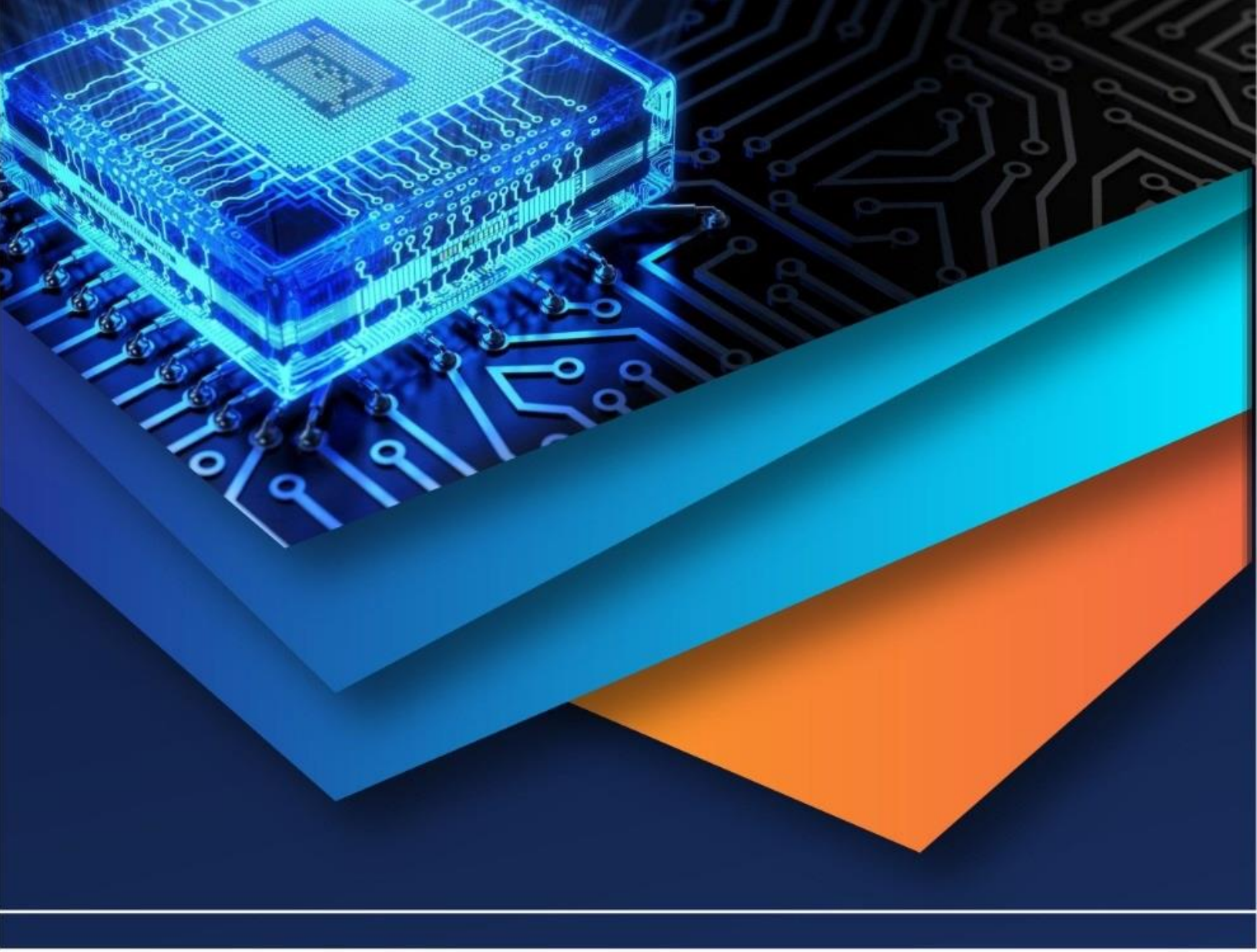

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