

# Employment Providing System

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**Abstract-** We have built a Web application/website which provides employment opportunities. We have bought employment seeking opportunities online. Earlier it was difficult to apply for multiple jobs at same time due to shortage of opportunities and being offline. But due to the advancements in technology it has been made possible to apply for multiple jobs online. Due to the utilization of internet the employment seeker can apply at any time. Our web application/website is totally free of cost, easy to use and understand with a user friendly interface. There is an employee login for people who want to seek employment and employer login for people who want to provide jobs or hire employees so more people can contribute to provide jobs and by this means the employment rate will increase. In our project, we are using client server system because there are multiple users, who access data. All updates are taken place on one database so there are no chances on duplication. All modules have its own method to access database. Initially, this application will be available as a web application for a small set of users to test.

**Keywords-** Employment Portal, Low paying skillset, Simple User Experience, Free job portal.

## I. INTRODUCTION

The unemployment rate of the world is at all-time high.

We need jobs to survive in this world but there are no sources from where we can seek employment. To solve this problem we have built a Web application/website which provides employment opportunities. We have bought employment seeking opportunities online.

Our web application/website is totally free of cost, easy to use and understand with a user friendly interface. Earlier it was difficult to apply for multiple jobs at same time due to shortage of opportunities and being offline. But due to the advancements in technology it has been made possible to apply for multiple jobs online. Due to the utilization of internet the employment seeker can apply at any time.

Now a jobseeker or an employer can easily check the availability of jobs or employee respectively easily at the comfort of their home.

Nowadays people of lower skill set are struggling to find a job, the job portal provides a solution for such people to find a job. With the help of Employment Providing System, the employer can register and post a job which once verified by the admin will be displayed on the website where a job seeker can apply for that job, hence providing a direct communication between employer and employee

## II. LITERATURE SURVEY

1)“ An Effective Job Recruitment System Using Content-based Filtering”, Volume: 04 Issue: 3 | Mar -2017

In Today’s world of Internet job seeker always spends hours to find useful job. To reduce this laborious work we design and implement recommendation system for online job hunting. The main aim of this portal is to connect to the industries and acts as an online recruitment, to support the students to find a right job after graduation. What we propose in this paper is user model(Content Based Filtering)and social interaction(Collaborative Filtering) to improve the quality of job recommendation.

2)“A Online Job portal management system”, Volume 3 Issue 9 | February 2017

In the current scenario, there is a rat race in each and every professional field. It is also true for job market. A job portal is a website dedicated for online information about recruiters as well as job seekers. A job portal helps both the job seekers and recruiters finding the right organization for the employees. In the case of job seekers, according to their educational qualification, experience and their preferences, the job portal shows the list of companies to the job seeker. And, to the recruiters, provides the suitable candidates from a pool of lacks. The objective of this application is to develop a system to enable interaction between employers and applicants. The determination is to allow communication between the interested parties and complete the task of recruitment quickly.

3)“ Job Portal- A Web Application for Distributed Clients”, Vol. 6, Issue 5, May 2017:

Our JobPortal consists of 3 modules. Admin, Recruiter and Jobseeker. The admin has authority over the complete portal. He can see the recruiter requirements & search the relevant candidates for that profile. Recruiter has to buy some packages after registration and can post jobs, view jobseeker profile, download their resumes as per the restrictions of the package for the given validity period. Jobseeker can register for free in our portal and can search and apply for jobs matching their profile. This research aims to develop a job web portal for the students in the Faculty of Computer Science and Information Technology. The main aims of this portal are to connect to the industries and acts as an online recruitment to support the students to find the right IT job after graduation. Furthermore, this system enhances the understanding concept and importance of the job portal for students in the universities. A survey was conducted to identify the students' problems with the existing portal of the faculty and to gather their requirements which can be incorporated in to the portal to be developed.

4) "Development of a Job Web Portal to Improve Education Quality", Vol. 6, No. 1, February 2014

This research aims to develop a job web portal for the students in the Faculty of Computer Science and Information Technology (FCSIT), University of Malaya (UM). The main aims of this portal are to connect to the industries and acts as an online recruitment to support the students to find the right IT job after graduation. Furthermore, this system enhances the understanding concept and importance of the job portal for students in the universities. A survey was conducted to identify the students' problems with the existing portal of the faculty and to gather their requirements which can be incorporated in to the portal to be developed.

5) "Job Portal-A Web Application for Geographically Distributed Multiple Clients", Pune, (INDIA), DOI 10.1109/AIMS.2013.38

Acquiring knowledge and specific job skills have become the main objectives for students in the universities. Knowledge is necessary to make informed decisions, especially, in a critical situation. Knowledge and knowledge management (KM) in any organization are crucial to give it a competitive edge in today's challenging and globalised environment. In this paper authors have proposed a design of on-line recruitment system, that allows employers to post their job advertisements, which job seeker can refer to, when looking for jobs. This job portal is able to capture job requirements based on industry needs.

6) "A NOVEL JOB PORTAL WITH RESUME EVALUATION SYSTEM BASED ON TEXT MINING AND NLP TECHNIQUES", Kattankulathur, Chennai, Vol 7, Issue 8, 2020

In this serious time, the instruction among the individuals is expanding to such an extent that the activity for them is currently diminishing. The organizations even needs the individuals who are best in their field. Around then, it turns out to be elusive the individuals who are capable enough to get recruited. The work for the organizations likewise increment to locate the right individuals who can satisfy their interest. Concerning these issues, someone may consider the procedure which could undoubtedly deal with this procedure and makes the assignment less mind boggling. Along these lines utilizing procedures including web creeping, content mining, and NLP, this examination built up a productive framework that matches work searchers with the enrollment specialists. In this task, we propose work searcher and boss login. In this we make the enrollment procedure straightforward and effective by incorporating web slithering, content mining, and normal language handling strategies. In this we make the enrollment procedure basic and productive by giving a choice of transferring study materials of the aptitude required during work post. Additionally we give programmed suggestion to the activity searcher when individual abilities are coordinated with the activity post. This is executed utilizing cooperative separating calculation. Additionally to enhance the extra room for the specialist co-op, we propose de-duplication procedure keeping away from replication of documents. For de-duplication strategy, we utilize Proactive Replica Checking approach (PRCR). Additionally applying regular preparing strategies in both occupation searcher and manager side gives effective outcomes sparing quite a bit of time. In the business side, we use web crawler to extricate set of working responsibilities and prerequisites. In the activity searcher side, when the resume is posted, stop word separating and message division is performed. After content division, the scoring is give dependent on the training, work understanding, abilities, character attributes and recurrence of degree. At last our proposed framework gives a suggestion framework to the up and coming age in which level of instruction significant occupation prerequisites are coming.

7) "Multifunctional Online Job Portal", Volume 8, Issue 4, April (2018) Chennai, Tamil Nadu, India.

In this current era, the education among the people is so increasing that the jobs for them are now decreasing. The companies even want the people who are best in their fields. At that time, it becomes difficult to find the people who are

intelligent enough to be hired. The work for the companies also increases to find the people who can fulfill their requirements. This job portal will help both the job seekers and recruiters finding the right organization for the employees. In the case of job seekers, according to their educational qualification and their preferences, the job portal shows the list of companies to them. So that fresher’s who are looking for the job can spend more time on preparation and less time on information collection.

8)“Job Aggregator - A Final Year Project Report(Information Retrieval)”, Jeevan Chapagain on 16 January 2020.

Aggregator refers to website or computer software that aggregates a specific type of information from multiple online sources [1]. Moreover, it does not produce or warehouse any item but collects information on goods and or services from several competing sources. Review aggregator, Search aggregator, Video aggregator, News aggregator are some of well known examples of aggregation model. Each Aggregation model has own functionality. For example, News Aggregation is designed in such a way that it can fetch News automatically from various sources such as online newspapers, blogs, podcasts and video blogs and provide over all news in a one single page for easy viewing.

**III. STUDIES AND FINDINGS**

There are many job portal on the internet that provides job to ones having big degrees and high qualification, but almost no sites has low waged and ones with low skill set workers as their target audience and almost all of them charge for subscriptions, our employment providing system provides an easy solution for such workers and to the individuals or companies hiring such workers.

Due to the pandemic many people lost their jobs and are searching jobs which itself is costing them time and money, We at our site are providing them an interface where they can contact directly with the employer without any middleman

Our system also saves employers a lot of time and money required for recruitment of workers through advertisements and other means

Employment Providing System has the following facilities

- Employer: The employer can register their company or post job requirements which after approval of administrator will be posted on the site and can be viewed by job seekers

- Job Seeker: The job seeker can register themselves and then can look for any available jobs in the dedicated panel and can apply for the job which will be received by the employer and wait for approval of the job
- Administrator: The administrator accepts or declines the new registrations, the admin can goes though the details filled by the employees or employers and if satisfied, admin approves them

**IV. DISCUSSION**



(Flow diagram of Employment Portal System)

There are many job portals on the internet now a days which acts as a bridge between employees and job seekers, but very few of them show interest towards workers with low skill sets, The Employment Providing System gives priority to such worker, the some of the advantages and disadvantages of our portal are as follows

- Advantages
  1. It is free of cost
  2. We have distinctive target audience
  3. Monitoring of all the registrations before approval

- Disadvantages
  1. New in this field, therefore lack of experience
  2. Cannot guarantee job availability

## V. CONCLUSION

Thus we made a web Application/Website that can provide jobs to specific people in need and who have a low paying skillset.

We provide direct communication between employer and job seeker and have a very user friendly and simplified interface.

The future enhancement of our project includes

- Graphical enhancement to the website
- More authentication methods
- Automated approval system

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