Resume Generation System

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Abstract - *We all know that job market is getting tougher day by day. 20-33% out of the 1.5 million engineering graduates passing out every year runs the risk of not getting a job at all. In such scenarios, nobody can ever underestimate how important it is to have a good screening process. A screening interview is a type of job interview that is conducted to determine if the applicant has the qualifications needed to do the job for which the company is hiring. That's why we developed web based application for the resume analysis. When a company is giving a requirement and requires the resumes, the company receives thousands of resumes. The problem persisting here is, it's very difficult for the Manager or the concerned authorities to go through each and every parameter of the resume and then select the candidates, for the interview. It's a time consuming process. The project will generate resume of candidate by concerning to the fix resume format and sort as per the Manager or the concerned authority.*

1. INTRODUCTION

Job market is getting tougher day by day. 20-33% out of the 1.5 million engineering graduates passing out every year, run the risk of not getting a job at all. In such scenarios, nobody can ever underestimate how important it is to have a good screening process. A screening interview is a type of job interview that is conducted to determine if the applicant has the qualifications needed to do the job for which the company is hiring. A screening interview is typically the first interview in the hiring process. Having a successful screening process in place can make the difference between finding the perfect fit for your team and making a bad hiring decision.

In most cases, a screening interview includes a brief review of your background, and a list of criteria's designed to determine if you're a viable candidate for the position. A screening interview can be conducted over the phone or in-person or simply going through resumes. A resume is a summary of background, skills and qualifications, which is sent to employers for review. The manager or concern authority receives large numbers of Resumes from different sources which are difficult to process and store in database. The resume sorting becomes more challenging when the job requirement demands a specialized skill set. In general, there is non-standard format to write the resume. High precision in the Extraction of Information automatically from

the resumes is possible only with standardize resume format.

2. LITERATURE REVIEW

We refered different base papers for development of our application. We took the some ideas and information from those papers which help us for designing this application. Some papers we refered are,

1. Mrs. Mrunmayee Hatiskar, Ms. Arati Tayade, Ms. Rajashree Garud, Ms. Sayali Gardi [1] "Resume Parsing and Standardization Using Semi-Structure Algorithm". The author says, resume can be used for many reasons, but the main reason is used to secure employment. The resume is personal and academic information of employee, which a suitable employer sees related the job seeker and used to screen applicants often followed by an interview. This project is deals with the parsing application developed for the resumes received through emails in multiple formats like Docx, Document, text etc.

2. Prof. Gauri R Rao, Ms. Renuka S Anami [2] "Automated Profile Extraction and Classification". The author says, we are investigating the issues related to the development of approaches to improve the performance of resume selection process. We have extended the notion of special features and proposed an approach to identify resumes with special skill information. In the literature, the notions of special features have been applied to improve the process of product selection in E-commerce environment. In this system, we have proposed an approach by considering only skills related formation of the resumes. The experimental results on the real world data-set of resumes show that the proposed approach has the potential to improve the process of resume selection.

3. Prof. Satish L. Thombare, Ms. Shweta V. Raja [3] "Automated Resume Extraction and Candidate Selection System". The author says, we collected the resumes from the students of various courses applying for a job. Students applying for the job will send the resumes in different formats (doc., docx, pdf, text, etc.) and the information from all the resumes will be extracted in the database by using the classification and regression techniques in data mining, and accordingly the students will be classified according to their qualification. This project is a proposed model to find an appropriate

evaluation method for the classification of students and predicting the placement opportunity in an enterprise or a firm. This model will help the firm to select the students in a convenient way to their performance in the academics.

3. PROBLEM STATEMENT

When a company is giving a requirement and requires the resumes, the company receives thousands of resumes. The problem come up here is, it is very difficult for the Manager or the concerned authorities to go through each and every parameter of the resume and then select the candidates, for the interview. It's also a time consuming process. Difficulties arising on receiving and going through each and every resume, we will overcome the problem.

The proposed system is Time saving and very effective candidate selection mechanism. It is easy for users as they just need to fill the information in given fix resume format on portal. Resume can be converted to table format. Then resumes will be sorted as per the manager or the concerned authority. Also notification through Email can be send to eligible candidate.

4. PROPOSED SYSTEM

Keeping all the above said problems in mind, we decided to go one step further by developing the system which would assist extraction, storing and processing of resume data by standardize the screening process helping in increasing the accuracy and efficiency of whole recruitment process. The systems allow manager to go through resume for each and every parameter in it. The system will allow user to filter through those parameter according managers requirements and give the data extracted from screening in standardize format which can be used in later phases of recruitment process.

The system contains three major modules:-

1. Student portal for student to input their academic data
2. Manager portal for Manager to extract data with help of various filters
3. Output in standardize format for later recruitment process

5. IMPLEMENTATION

5.1 MODULE 1: STUDENT PORTAL

It is the module which use for taking the information that mean in this module student/user enter the all the information which represented at user interface on browser.

5.2 MODULE 2: MANAGER PORTAL

In this module manager profile will be displayed. Manager can perform various operations on multiple resumes to select the eligible candidates as per company requirement.

5.3 MODULE 3: GENERATE RESUME & SORTING

In this module two sub modules are there 1. Generate Resume 2. Sorting. After filling the form resume will be generate. When company's requirements come, the resume will be sorted as per the manager or concerned authority requirement.
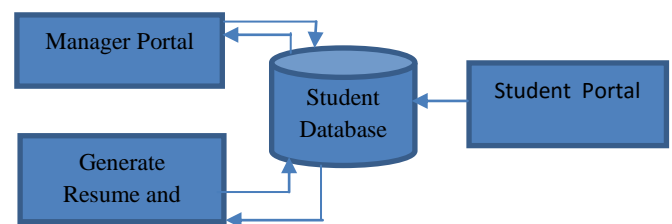

Fig -1: Implementation Module

6. ADVANTAGES

1. No need to fill the same registration form again and again.
2. Unique username and password for all accounts.
3. Help in filter the resume based on different criteria.

7. CONCLUSION

Here we met our objective which is evaluated and investigate placement of job seeker doing different types of course. Providing a unique system which is robust enough to extract the resume content and store it in a structure form within the database. This system will make the task of both student and HR manager easier and faster. This system avoid the hectic from manager receives the resumes through email in various formats. The HR manager also just need to fill his/ her criteria instead of manually going through the entire resume.

8. REFERENCES

[1] Mrs. Mrunmayee Hatiskar, Ms. Arati Tayade, Ms. Rajashree Garud, Ms. Sayali Gardi, "Resume Parsing and Standardization Using Semi-Structure Algorithm". International Journal of Engineering Trends and Technology (IJETT) – Volume 21 Number 4 – March 2015

[2] Prof. Gauri R Rao, Ms. Renuka S Anami, "Automated Profile Extraction and Classification" NCI2TM: 2014 ISBN: 978-81-927230-0-6

[3] Prof. Satish L. Thombare, Ms. Shweta V. Raja, "Automated Resume Extraction and Candidate Selection System" International Journal of Research In Science & Engineering, Volume:1 Special Issue: 1 e-ISSN: 2394-8299 p-ISSN: 2394-8280