ANALYSIS OF JOBS HIRING BASED ON ROLES

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1 Introduction

With the rise of ease in memory management, the data has become abundant and more raw. One has to extract the useful data from a whole lot of data set which is no less than a havoc. The data is so vast that many processing software can't even menage them. Another drawback is it is not easily understandable. There come information visualization. In today's world, it is more important to view and understand data than ever. information visualization is the graphical representation of data and information.It uses charts,maps,graphs etc. that provide an accessible way to see and understand the trends and patterns in data.

For instance,I have taken data set of different job roles and all the requires eligibility criteria as attributes to my data and try to process them and visualize them according to the user choice. The different criteria are: the bachelor's degree, certifications, skills which could be broadly classified as communication skills, analytical skills, problem solving ability, computer literacy, application development, coding and time management. The different job roles against which these criteria are set are: web developers, system analyst, information security analyst, network engineer, director of information technology etc. with information visualization we can make it easier for the applicants and find out the job role of their choice and its scope and in the other hand to the companies which offer these jobs get a very keen observation about what kind of skill set the applicants possess in majority and can also identify the required skill set out of the vast data. This is how information visualization can help in job seeking and hiring processes.

2 About Dataset

This dataset provides the in dept look at the profitability of job openings.

This Dataset contains information on job postings from a variety of industries and includes many data such as Company name,Location,Job title,required education and the experience also the salary provided by the company.

By analysing this dataset of job posting it is possible to identify the trends and patterns in job hiring based on roles like which skills has more demand for certain type of jobs and will be more useful for job seekers,employers in making more informed decisions about the hiring strategies.
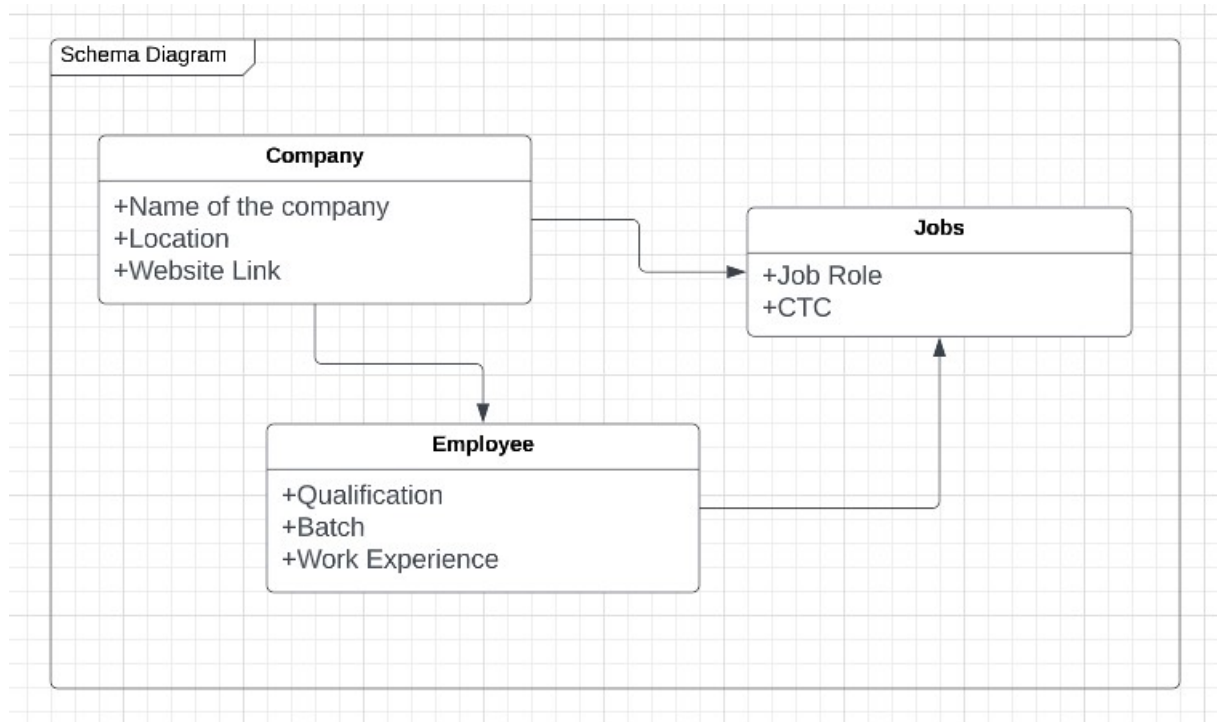
There are many companies which helps the peoples who are looking for the jobs. For

example companies like Infosys,Paypal,Amazon,Accenture and lot more, To maintain the growth of the company they start a job openings for different kind of fields or domains. Every companies has their own branches in every place across the world. In this project I have taken the dataset contains

- Company name:- The Company name provides the information of the organization.

- Website :- In this link we get the certain company webpage where we can apply for the Job.

- Job Tilte:- Job title provides us information about the specific position or the role that an employer is looking to fill.

- Location :- It refers to the regions where certain roles are in demand for the specific company.

- Qualification:- it refers to the certification that an employee has achieved for the following role.

- Batch :- This refers to the year in which the employee completed their education.

- Work Experience :- The work experience refers to the employees experience related to the particular industry or field where the employee is seeking to work on.

- CTC:- Cost to company refers to the total amout of salary that is given to the employee.

3 Data Schema

Basically the design of the database is known as Schema.It represents the structural view of the database it helps to match-up various fields such as company,jobs,employee.

Schema Diagram

Company
+Name of the company
+Location
+Website Link

Jobs
+Job Role
+CTC

Employee
+Qualification
+Batch
+Work Experience

4 Conclusion

Even though there are a set of drawbacks, information visualization is important because of its very simple reason: it helps the users see, interact, and understand the data in a better and effective way. This what i have done in my project, the users will get a sure shot view of vacancies of different job roles in different companies, i would also be providing with an abstract view of the company's growth and the future enhancements of the companies which would be able to get a clear vision of the status of the candidates and their expectations. This is what information visualization has to offer and me who have included this concept in my project have planned to do so i.e. Process the data and present it in a clear and less sophisticated manner.

5 Inferences

1. **What are the various sources of the Dataset?**
   Ans :- There are several sources for the dataset on Analysis of Job Hiring based on roles in popular websites like Linkedin,Glassdoor,Naukari etc provides data related to the job openings and can be used to collect information on the company name,job role,location and the qualification required also some companies often post job listings on their websites which can be used to collect data on the particular job roles.

2. **Credibility of the Dataset ?**
   Ans:- It depends on the way of collecting the data we should collect it from the certified or most popular websites where we can get the exact data such as

job search websites or any government agencies etc.And the data should more accurate.

3. **Reason for the Data to be analysed ?**
   Ans:- It is necessary for the one's who are searching for the jobs so that they can have an idea about which company and what role they can apply to.

4. **What are the Various attributes used in the Dataset ?**
   Ans:- There are 8 columns named as company name,website,job title,location,qualification experience and ctc also the dataset contains around 260rows.

5. **what is the final outcome of the analysis ?**
   Ans:- By this dataset one can know about the job posting and have a prior knowledge about which sector having a more demand in the current time and which ones are experiencing a decline in demand also having the better understanding of the job market.

6   References

References are as follows:

- https://www.naukri.com/mnjuser/recommendedjobs

- https://in.indeed.com

- https://www.linkedin.com/jobs

- https://www.glassdoor.co.in/Job/india

- https://internshala.com/jobs/

7   Project URL

- https://www.overleaf.com/project/63d697df140cfb7c5b730ce3