**Interactive Job Portal Dashboard**

Submitted By Aswin K A

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Mentor: Greeshma Satheesh

**Project Overview:**

The goal of the project is to create a well interactive dashboard based on real world job-portal data. A power BI dashboard plays a important role depending on the use cases. It helps the end users to get to know about report without knowing the whole data that used in the backend. Users can interact with filters, slicers, KPI to know the analytics and insights in the data. This helps in communicating with the stakeholders by sharing real-time data.

**Dataset Details:**

The dataset here used is job-portal data, which is a real world data. Dataset details is as follows:

|  |  |
| --- | --- |
| Column Name | Description |
| Company | Name of the company/ employer who provides the job posting. Filled by Employer.  Data type: Text. Used for filtering the jobs by company. |
| Start\_Date | The date when the job post becomes active. Data type: Date. Filled by Employer. Used in timeline charts/ filters. |
| Job | Name of the job. Filled by Employer. Data type: Text. Used to filter company based on Jobs. |
| Deadline | The date till the job post becomes inactive. Data type: Date. Filled by Employer. Used in timeline charts/ filters. |
| Required\_Skills | Skills required for the job. Data type: Text. Filled by Employer. Can be used as filters to filter the job based on skills. |
| Required\_Experience | Experience required to apply for the job. Data type: Whole number. Filled by the Employer. |
| Job\_Type | The type of job (full-time, part-time, internship). Data type: Text. Filled by Employer. Used for filtering the jobs/ company by job type. |
| Work\_Mode | The mode of work provided by the company(Onsite, Hybrid, Remote). Data type: Text. Filled by Employer. Used for filtering the jobs/ company based on work mode. |
| Applicant | Name of the person who applies for the job. Data type: Text. Filled by Candidate. Used for filtering jobs by applicant. |
| Email | Email address of the applicant. Data type: Text. Filled by Candidate. |
| Phone | Phone number of the candidate. Data type: Whole number. Filled by Candidate. |
| Gender | Gender of the candidate (Female/Male/Other). Data type: Text. Filled by the Candidate. Used as filter to differentiate jobs which gender applies. |
| Education | The level of education of the candidate. Data type: Text. Filled by Candidate. Can be filter candidate based on education. |
| Pass\_Out\_Year | The year of candidate passed on the particular course. Data type: Number. Filled by Candidate. Can be used to filter based on timeline chart. |
| Candidate\_Place | Place of the candidate where he/she lives. Data type: Text. Filled by Candidate. |
| Candidate\_District | District of the candidate where he/she lives. Data type: Text. Filled by Candidate. Used to filter the applicants in maps. |
| Candidate\_State | State of the candidate where he/ she lives. Data type: Text. Filled by Candidate. Used to filter the applicants in maps. |
| Candidate\_Country | Country of the candidate where he/ she lives. Data type: Text. Filled by Candidate. Used to filter the applicants in maps. |
| Candidate\_Pincode | Pincode of the candidate where he/ she lives. Data type: Text. Filled by Candidate. |
| Resume | Resume of the candidate. Filled by candidate. |
| Applied\_on | Date of the job application. Data type: Date. Filled by System. Can be used to filter who applied on a particular date/ used in timeline charts. |
| Status | Status of the application(In progress / Hired). Data type: Text. Filled by Employer. Can be used for slicers to know the status of the applicants. |

**Data Cleaning and Transformation:**

Since it is a real world data it consist of many null values blank values and the data types are changed for specific columns. Firstly, make sure the data types are correct for the column name. For that, we need to fill up the null values, makes necessary changes like replacing wrong values, splitting up the column, etc.

**Dashboard Design:**

After doing cleaning and transforming data, we started to create dashboard. The name of the dashboard is **career.com job portal dashboard**. The theme here used is a blue and light shade of grey it is to match the color combination of the website.

**Visualization & Insights:**

So the charts we used a line chart to represent the timeline of count of jobs in a year. So this chart gives a proper understanding of more jobs occurrences in that year. Next is a donut chart to represents gender based applicants for a company. This chart gave a understanding of the amount of male/ female/ others who apply for a job in a company. A map chart is used to represent candidate place in the map, it is a 2D representation of our world that shows a clear representation to see the amount of applicants from a place. An area chart is used to show the average required experience for particular work mode. Two cards are used to show the total applicants and the company. Then clustered bar chart and column chart is used to represent job count based on status of the applicant applies for the job and applicant count based on their desired work mode.

**Slicers & Filters Used:**

Two slicers are used in the dashboard one is to filter on the basis of passout year and based on the job type. Then a button is used to reset the filter that applied to the dashboard with a click whole dashboard comes to default position.

**Key Observations:**

The key takes in the dashboard are the map chart it gave a understanding of most of the applicants are from North America with second leading applicants from European Countries. So they are massive users of our website. Next key observation is for females there is a decrease in required average experience considering with males. That means many companies are supporting housewife to work. Next is there is a massive number of MBA graduates, most of the job applicants are from MBA background and in that females are leading.

**Screenshot:**

**A screenshot of a computer

AI-generated content may be incorrect.**

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**Conclusion:**

This dashboard helps employers to analyze that there are many MBA graduates as applicants. So if they focus on jobs for MBA graduates they get the required candidate immediately. During the year 2020, number of applicants are more in that year and suddenly the number gets reduce to almost half, the number is getting reduced by each year. Some challenges faced during the dashboard preparation is the candidate state and candidate district these two column contains many blank values. It felt difficult to fill, either the datas are not filled by the candidates or the values got corrupt.