**Data Analytics Internship Report**

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**1. Introduction**

This report is about my experience as a Data Analytics Intern at Null Class from 29 June 2024 to 29 August 2024. I worked on the tasks given by them. The task also helped me in getting experience from a new software that is Tableau.

**2. Background**

**Null class is an online platform providing project-based IT learning programs. Nullclass offers many project based programs that help us to improve our skills in that particular field which can help us in getting jobs .**

**3. Learning Objectives**

At the start of my internship, I had a few thoughts in mind:

* Got to know some new libraries in Python and worked in a completely new platform Tableau.
* Learn how to handle large datasets and how we can gather useful information from it.

**4. Activities and Tasks**

During my internship, I was given 5 tasks as my duration for internship was 2 months so I worked on these different tasks such as:

* Analysing data according to the tasks and applying filters on it.
* At training first we made some work sheets that contains chart of different headings and then all these charts were combined to form a single dashboard
* After completing the training provided by Null class my internship works starts and in which I was given 5 tasks which were to be completed within 2 months .
* While doing my tasks in Tableau. I also did my task in python language to ensure that the I have applied all the filters correct or not.
* After completing the tasks we have to upload these in a dashboard and has to provide the Netlify link in which we uploaded these tasks.

**5. Skills and Competencies**

* I got better at using Python for data analysis, especially with Pandas and NumPy and learned about a new library named folium
* I learned how to use tableau with the given filters which was very challenging as I have never use tableau and this was my first time using it.

**6. Feedback and Evidence**

**It was challenging at the start of the internship because no mentor assistance was provided to me during the internship, and I have to only rely on Internet for any kind of help. It was a good experience for myself because their was no mentor and I had to rely on myself and I got to learn about more things.**

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Task 1 : Draw a chart between company size and company name where company size<50000 and job title should be mechanical engineer and experience should not be more than 5 years and country should be Asian as well as salary should be more than $50k and the work type should be both part time and full time and ignore all other work types and the preference should be male .we should filter candidates those who are applied on idealist

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Task 2: Draw a chart for top 10 companies who have max Data analyst as Role and Data scientist as Job title and the country name should not have any Asian countries and preference should be female only .we should ignore the countries which starting with letter ‘C’ and latitude is below 10. The job posting date should be between 01/01/2023 to 06/01/2023. The qualification should be B.Tech and we should ignore other qualifications.

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Task 3: Draw a chart where qualification=’B.tech,M.tech,PhD’ and work type=’Full time’. The country should be African continent and ignore other countries. Job title should be starting with letter ‘D’ and preference should be a Male.The company size should more than 80000. The contact person should be starting with letter ‘A’ and jon portal should be indeed . We need to place a latitude and longitude and if we click on latitude and longitude we will open a map and show the exact location.

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Task 4: Draw a chart where country=’india and Germany ’ ,qualification=’B.tech’ and work type=’Full time’ where experience should be more than 2 years and job should be Data Science and salary range should be more than $100k . The india details should be on orange color and Germany details should be on green color . The job portal should be indeed and preference should be female . The job posting date should be below 08/01/2023 and jon portal should be indeed .

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Task 5: Draw a chart for top 5 roles in 2023 and work type=’Intern’ and Job Title should be Account Director and company should be below 2M.

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