INTERNSHIP REPORT

Title: Job Analytic Portal

Internship Organization: NULLCLASS

Internship Duration: 02-01-2025 to 02-04-2025 (3 Months)

Intern Name: Prajwal Ashok Wadhai

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1. Introduction

The purpose of this internship was to gain hands-on experience in data analytics and visualization. The project involved creating a "Job Analytic Portal" that processes job-related data and presents insights in the form of interactive charts. The portal was deployed on Netlify, and project tasks were shared and tracked using GitHub.

2. Objectives

- To develop a job analytics dashboard that provides insights into job postings, preferences, and trends.
- To apply data visualization techniques to generate meaningful reports.
- To deploy the application on Netlify for real-time accessibility.
- To implement various filters and constraints based on job roles, company sizes, locations, and other criteria.

3. Project Description

The "Job Analytic Portal" extracts and visualizes job-related data based on specific requirements. Below are the detailed tasks completed:

Task 1:

- Chart for top 20 companies with the maximum number of user Experience Designers (Role) and UI/UX Designers (Job Title).
- Companies should have names longer than 5 characters.

Task 2:

- Chart between Preference and Work Type for work type ‘Intern’.
- Latitude should be below 10, and country name should not start with A, B, C, or D.

- Job title should not exceed 10 characters, and company size should be below 50,000.
- Graph visibility restricted to 3 PM IST - 5 PM IST.

Task 3:

- Chart where qualification = ‘B.Tech, M.Tech, PhD’ and work type = ‘Full time’.
- Countries limited to the African continent.
- Job title should start with ‘D’, preference should be Male.
- Company size should exceed 80,000, and the contact person’s name should start with ‘A’.
- Job portal should be Indeed.
- Latitude and longitude clickable to open a map showing the exact location.
- Graph visibility restricted to 3 PM IST - 6 PM IST.

Task 4:

- Chart for top 10 companies with the maximum number of Data Engineers (Role) and Data Scientists (Job Title).
- Excludes Asian countries and countries starting with ‘C’.
- Latitude should be below 10.
- Job posting date should be between 01/01/2023 to 06/01/2023.
- Qualification should be B.Tech.
- Graph visibility restricted to 3 PM IST - 5 PM IST.

Task 5:

- Chart between company size and company name where:
    - Company size < 50,000.
    - Job title is Mechanical Engineer.
    - Experience > 5 years.
    - Country is in Asia.
    - Salary > $50k.
    - Work type should be either Part-time or Full-time.

    - Preference should be Male.
    - Candidates should have applied through Idealist.
    - Graph visibility restricted to 3 PM IST - 5 PM IST.

Task 6:

- Chart for countries ‘India’ and ‘Germany’ where:
    - Qualification = B.Tech.
    - Work type = Full-time.
    - Experience > 2 years.
    - Job titles: Data Scientist, Art Teacher, Aerospace Engineer.
    - Salary > $10k.
    - India details should be in orange; Germany details in green.
    - Job portal should be Indeed.
    - Job posting date should be before 08/01/2023.
    - Graph visibility restricted to 3 PM IST - 5 PM IST.

4. Technologies Used

- **Data Processing:** Python (Pandas, NumPy)
- **Visualization:** Matplotlib, Seaborn, Plotly, Power BI, Tableau
- **Database:** SQL
- **Deployment:** Netlify
- **Version Control:** GitHub

5. Tools Used

I used Tableau and Python in this project to analyze and visualize job-related data efficiently.

6. Conclusion

This internship provided valuable experience in data analytics, visualization, and real-world problem-solving. The "Job Analytic Portal" successfully visualized job market trends and insights, improving data-driven decision-making for job seekers and recruiters.