

# Internship Report

## 1.Introduction

My name is Joji Jain, and I am a data analyst intern at NullClass. The purpose of this internship is to develop practical skills in data analysis using Power BI. During this month, I have been assigned various tasks to enhance my analytical capabilities and to contribute effectively to the team.

## 2.Background

NullClass is committed to empowering interns with hands-on experience in data analysis. In an era where data-driven decisions are crucial, my role as an intern focuses on mastering the use of analytical tools and frameworks to derive insights from complex datasets.

## 3.Learning Objectives

The primary learning objectives for this internship include:

- Developing proficiency in creating visualizations using Power BI.
- Understanding data manipulation and analysis techniques.
- Enhancing skills in reporting and presenting data insights.

## 4.Activities and Tasks

During the internship, I was tasked with creating various visualizations in Power BI. The specific tasks included:

1. Build a pie chart that represents the proportion of total clicks (URL clicks, user profile clicks, and hashtag clicks) for tweets with more than 500 impressions. Include a drill-down to view the specific types of clicks for each tweet
2. Create a clustered bar chart that breaks down the sum of URL clicks, user profile clicks, and hashtag clicks by tweet category (e.g., tweets with media, tweets with links, tweets with hashtags). Only include tweets that have at least one of these interaction types and this graph should work between 3 PM to 6 PM and the tweet date should be even number as well as tweet word count be below 40.
3. Create a dual-axis chart that shows the number of media views and media engagements by the day of the week for the last quarter. Highlight days with significant spikes in media interactions. this graph should work between 3 PM to 6 PM and the tweet impression should be even number and tweet date should be odd number as well as tweet word count be below 30.

## 5.Skills and Competencies

Throughout the internship, I enhanced my analytical skills, particularly in data visualization and interpretation. I also gained experience in real time project using Power BI's features.

## **6.Feedback and Evidence**

While I did not receive formal feedback on my visualizations, I self-assessed their effectiveness in meeting project goals. I validated my data sources and iterated on the design to enhance usability, ensuring that the dashboards would provide valuable insights into user engagement for stakeholders

## **7.Challenges and Solutions**

One challenge I encountered was filtering tweets based on the condition. I overcame this by researching effective data manipulation techniques and using Power BI's filtering features to achieve the desired results. And there is no mentor support during internship so I have overcome the project challenges by myself and that improved my knowledge by self-learning.

## **8.Outcomes and Impact**

This internship has significantly improved my data analysis skills and confidence in using Power BI. The experience has prepared me for future roles in data analytics and has reinforced my passion for working with data.

## **9.Conclusion**

In conclusion, my internship at NullClass has been an valuable experience. I am grateful for the opportunity to work on meaningful projects and enhance my analytical skills. I look forward to applying what I have learned in my future endeavors.