

Internship Report

DATA ANALYST

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Table of Contents

1. Introduction
2. Background
3. Learning Objectives
4. Activities and Tasks
5. Skills and Competencies
6. Feedback and Evidence
7. Challenges and Solutions
8. Outcomes and Impact
9. Conclusion

1. Introduction

I did my internship at **NullClass**, an online learning platform that provides students with industrial experience through real projects and internships. The internship lasted for **one month** in the role of a **Data Analyst Intern**.

The main purpose of this internship was to gain **practical exposure in data analysis and visualization**, and to understand how organizations use data-driven insights to support effective decision-making. This opportunity allowed me to bridge the gap between academic learning and real-world applications, while also building essential technical and professional skills relevant to the data analytics field.

2. Background

NullClass is an online learning platform that provides students with **industrial experience through real projects and internships**. Its mission is to empower students with hands-on exposure to **cutting-edge technologies and industry practices**, bridge the gap between theory and practice, and make learners **real-world ready** through collaboration with experts.

As a **Data Analyst Intern**, my role aligned with this mission by working on real datasets, creating visualizations, and extracting insights that support decision-making. This experience allowed me to apply academic knowledge to practical challenges while building essential professional skills.

3. Learning Objectives

The main learning objectives of my internship at **NullClass** were:

- To perform **data analysis** by completing different tasks related to the given datasets.
- To gain practical experience with **Power BI** and its **Power Query Editor** for data cleaning, transformation, and visualization.
- To enhance professional skills such as **time management** and effective task handling.
- To understand the complete process of **transforming raw data into meaningful business insights** that support decision-making.

4. Activities and Tasks

During my internship at **NullClass**, I was assigned a **Twitter Data Analysis Project** in **Power BI**, and successfully completed all the tasks given. These included:

- Importing and preparing the dataset using **Power Query Editor**.
- Cleaning, transforming, and organizing raw data for analysis.
- Creating calculated columns and DAX measures to derive metrics such as engagement rate.
- Designing interactive **Power BI dashboards** to visualize tweet impressions, likes, retweets, replies, and media engagements.
- Analyzing and comparing engagement patterns (e.g., tweets with vs. without media, weekdays vs. weekends).
- Generating insights and presenting findings to show how different factors influenced audience interaction.

By completing all the assigned tasks, I gained hands-on experience in handling real-world datasets and learned how to transform them into actionable business insights.

5. Skills and Competencies

Through the completion of my assigned tasks during the internship „ I was able to strengthen and develop the following skills and competencies:

- **Technical Skills**

- Proficiency in **Power BI** for creating dashboards and reports.
- Hands-on experience with the **Power Query Editor** for data cleaning and transformation.
- Application of **DAX formulas** to create calculated columns and measures for meaningful insights.
- Ability to analyze social media datasets (Twitter data) and evaluate key performance indicators such as impressions, engagement rate, and media interactions.

- **Analytical Skills**

- Interpreting large datasets and identifying trends and patterns in user engagement.
- Transforming raw data into **actionable insights** for better decision-making.

- **Professional & Soft Skills**

- Improved **time management** by completing all given tasks within deadlines.
- Enhanced **problem-solving skills** while handling data inconsistencies.

6. Feedback and Evidence

During my internship at **NullClass**, I completed all the assigned tasks related to the **Twitter Data Analysis Project** in Power BI. As I am submitting all reports together with the final internship report, I have not yet received formal feedback.

The **evidence of my work** includes Power BI dashboards, data transformations in **Power Query Editor**, DAX measures, and reports highlighting engagement insights. These outputs reflect my ability to turn raw data into meaningful business insights.

7. Challenges and Solutions

During the internship, I faced some confusion in applying advanced functions in **Power BI**. To overcome this, I used AI tools and online resources to quickly learn and implement the required functions.

I also found it challenging to handle large datasets at once. To solve this, I learned to **break down tasks into smaller steps**, which made the analysis more manageable and accurate.

8. Outcomes and Impact

The internship gave me hands-on exposure to real datasets and client requirements. My contribution to dashboards and reports helped the team save time in generating weekly summaries. On a personal level, I developed greater confidence in my technical and communication skills.

9. Conclusion

Overall, this internship was a valuable learning experience. I gained practical insights into data analytics, improved my technical skills.. This experience has motivated me to further specialize in data analytics and pursue a career in data analytics.

I sincerely thank **Nullclass** for providing me this opportunity and guidance.