📄 Internship Project Report

Internship Title : **SQL DEVELOPER INTERN**

Project Title: **Netflix Data Analysis Using SQL**

Intern Name: **Divya Dhumal**

Duration**:[ 25 June – 25 July]2025**

Organization: ELEVATE LABS

1. Project Overview

The project focused on analysing Netflix’s dataset to extract useful business insights using SQL queries. It aimed to understand patterns in content type, production countries, ratings, release trends, and actors' contribution. The analysis helped in identifying content strategies and user preferences.

2. Objectives

* Analyse Movies vs TV Show distribution.
* Find popular genres and top countries.
* Extract trends using date, duration, and cast data.
* Solve real-world business problems using SQL.

3. Dataset Description

* Source: netflix\_titles.csv
* Records: ~6,200
* Columns: show\_ id , type, title, director, cast, country, date\_ added , release\_ year, rating, duration, listed\_in , description

4. Technologies Used

* PostgreSQL for data storage & queries
* SQL for data manipulation and insights
* pgAdmin for query execution

15. Key Business Problems Solved

1. Movies vs TV Shows: Counted distribution; found Netflix has more movies than shows.
2. Top Ratings: Identified most frequent content ratings for both formats.
3. in 2020: Fetched all movies released in 2020.
4. Top Countries: USA, India, UK topped the content list.
5. Longest Movie: Fetched the title with the maximum duration.
6. Recent Additions: Filtered content added in the last 5 years.
7. By Director: Extracted titles directed by Rajiv Chilaka.
8. TV Shows with 5+ Seasons: Identified long-running series.
9. Genre Analysis: Found Drama, Documentaries, and International content as most frequent.
10. Content in India: Analyse yearly average content from India.
11. Documentaries: Filtered movies in documentary genre.
12. Missing Directors: Listed content without director details.
13. Actor Analysis: Checked movies of Salman Khan in the last decade.
14. Top Indian Actors: Ranked top 10 actors with most Indian content.
15. Content Type (Good/Bad): Categorized by keywords like "kill" and "violence".

6. Learnings & Outcomes

* Hands-on experience in real-time SQL problem solving.
* Understood how to manipulate unstructured fields (like cast, genre).
* Gained knowledge of using advanced SQL features: UNNEST, STRING\_TO\_ARRAY, RANK(), TO\_DATE().
* Enhanced analytical thinking by solving actual business case problems.

7. Conclusion

This project helped me grow significantly as a beginner SQL DEVELOPER t. The tasks provided me exposure to real-life datasets and practical SQL applications. It was a rewarding learning experience and strengthened my confidence in handling data-driven projects.