

# SUDHEER VYAS

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[GITHUB](#)

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## SKILLS

- **Languages and Databases:** Python, Pandas, NumPy, SQL, MySQL
- **Visualization Tools:** Power BI, Tableau, Matplotlib
- **Tools and Technologies:** Advanced Excel, EDA, VS Code, Jupyter Notebook, Google Analytics, Github

## EDUCATION

**Professional Certificate Course in Data Science (95%)**

Jul 2024–Present

Newton School

**B. Tech, Mechanical Engineering (71.45%)**

Aug 2016–Nov 2020

MLVTEC, RTU

## EXPERIENCE

**Data Analytics Internship (Internship Studio)**

Jul 2024–Aug 2024

- Completed a 6-module training in Data Analytics tools.
- Provided insights for investment in the **P0** segment and improved engagement in the **P2** segment.
- Utilized Advanced Excel, Python, NumPy, Pandas, Data cleaning, Data Preparation, Data merging, Data Manipulation, Data Analysis, and Data Visualization tools and techniques.

**Internship at Indian Railways**

May 2019–Jun 2019

- Analysed the maintenance department's operations of the Locomotive shed and **7, 14, and 21-day** maintenance checks.
- Identified the areas where Indian railways could improve to reduce the operating ratio by up to **2%**.

## PROJECTS

**Chinook Music Store Analysis | [\[GitHub\]](#)**

Nov 2024–Dec 2024

**Objective:** Utilized SQL to analyse customer behaviour, revenue trends, and sales performance to identify growth opportunities and improve decision-making.

**Analysis:** Conducted in-depth analysis of customer purchases and genre-wise sales distribution.

**Key Insights:**

- **Genre Performance:** Rock music accounted for **53.38%** of U.S. sales, highlighting its dominant contribution. Recommended focusing on promotions for popular sub-genres.
- **Customer Insights:** The top customer purchased tracks from **14** different genres, emphasizing the importance of offering a diverse music collection.

**Patient Analysis of Hospital | [\[GitHub\]](#)**

Sep 2024–Oct 2024

**Objective:** Analysed data from over **6,000** patients and made recommendations to lower treatment costs and improve healthcare facilities.

**Analysis:** Studied the dataset comprising patient details, diagnostics, and expenses, and facilitated recommendations.

**Key Insights:**

- **Viral Infections** and **Flu** are the most common diagnoses, affecting **2,000** and **1,720** patients, respectively. Recommended maintaining an adequate inventory of testing kits, medicines, and specialists for both conditions.
- The hospital has billed a total of **₹190.43M**, with insurance covering **₹171.39M**, leaving a **₹19M** gap. Proposed partnerships with insurance companies to reduce this gap.

**Netflix Stock Data Analysis | [\[GitHub\]](#)**

Sep 2024–Oct 2024

**Objective:** Evaluate Netflix stock price data to find insights and design strategies to improve the company's revenue.

**Analysis:** Analysed daily stock data over the **past 5 years** to identify trends and revenue opportunities.

**Key Insights:**

- Strategic collaborations with stars and celebrities from 2021 could boost revenue by up to **25%**, compared to the lower market share of 11% in 2022.
- Identified top hits from 2021–2023 across other platforms, offering opportunities where Netflix had fewer releases, while competitors performed better.

**Zomato Market Expansion | [\[GitHub\]](#)**

Sep 2024–Oct 2024

**Objective:** Evaluate data from **10,000** restaurants across **13** countries to identify potential areas for expansion.

**Analysis:** Studied the global restaurant industry and food preferences across locations and recommended countries, cities, and cuisines for higher revenue generation.

**Key Insights:**

- **Over 75%** of restaurants have not tapped into online delivery or table booking, indicating growth potential in such services.
- **Price ranges 3–4** are the optimal segments for higher revenue growth, with fewer cuisines dominating the market.

## ACHIEVEMENTS

- College Representative in Asia's largest college cultural festival MOOD INDIGO.
- Internshala I.S.P 9.0 for 1 year.

## CERTIFICATES

- Hacker Rank: SQL (Advanced) Certificate (5 Star Badge).
- Microsoft Power BI Desktop for Business Intelligence.