RAJ

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# Introduction

A highly motivated and analytical recent graduate with a Bachelor's degree in [Your Degree, e.g., Computer Science, Statistics, Economics]. Eager to leverage a foundational understanding of SQL, data analysis, and problem-solving to contribute to Google's data-driven culture as a Data Analytics Apprentice. Proficient in Google Workspace and passionate about uncovering actionable insights from complex datasets to solve real-world problems.

# Education

**Chandigarh University**, Bachelor of Engineering in ECE Aug 2021 – Jun 2025

* **Coursework:** Data Structures(Basic), Interface Protocol , Computer Networks , Operating Systems , python, RPA(Robotic Process Automation), OOPS Concepts , SQL , IOT ,

# Skills

# Data Analysis: Data Lifecycle Management, Anomaly Detection, Pattern Recognition, Custom Analysis, Critical Thinking

# Programming & Databases: SQL, Python (Pandas, NumPy, Matplotlib)

# Tools & Platforms: Google Workspace (Sheets, Docs, Gmail, Chrome), Microsoft Excel (Pivot Tables, VLOOKUP), Tableau (basic), Jupyter Notebooks

# Professional Skills: Problem Solving, Team Collaboration, Independent Work, Fluent English Communication, Documentation & Knowledge Sharing

# Projects

# Sales Data Analysis & Insights Dashboard

* **Tools Used*:*** SQL, Google Sheets, Tableau
* Assessed and cleaned a raw sales dataset of over 10,000 rows to ensure data accuracy and identify anomalies using SQL queries.
* Conducted custom analysis to uncover key industry insights, identifying the top-performing product categories and regional sales trends.
* Used data to quantify the business impact of promotional events, showing a 15% uplift in sales during campaign periods.
* Developed an interactive dashboard in Tableau to distill complex data into actionable takeaways, making recommendations for future marketing spend.

**Customer Churn Prediction Analysis:**

* **Tools Used**: Python (Pandas, Scikit-learn), Google Sheets
* Gained an understanding of the data lifecycle by collecting, cleaning, and preprocessing customer data to build a predictive model.
* Organized and analyzed data using Python to identify key factors contributing to customer churn, such as tenure and service usage.
* Solved a real-life business problem by developing a simple classification model that predicted churn with 85% accuracy.
* Created comprehensive documentation for knowledge sharing, outlining the data analysis process, findings, and model limitations in Google Docs

**Public Transportation Ridership Pattern Analysis:**

* ***Tools Used****: SQL, Python (Pandas, Matplotlib), Google Sheets*
* Sourced and processed a public transit dataset containing over 50,000 trip records to understand the complete data lifecycle from acquisition to analysis.
* Analyzed ridership data to identify patterns, such as peak travel hours, most popular routes, and significant differences between weekday and weekend usage.
* Identified anomalies, like sudden dips in ridership, and investigated potential causes by correlating the data with local events and weather information to find suitable solutions.
* Distilled findings into a report using Google Sheets and Matplotlib, presenting actionable recommendations for route and schedule optimizations to improve service efficiency.

# Extra-curricular

## Hackathon

* Multiple Departmental and University-level Hackathons

## Competition

* Participate in speech Competition and Events

# Achievements

* Winner of Impulse2K24 Hackathon
* Filed a patent for an innovative Smart Shelter in collaboration with the university’s robotics department.