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❖ ABOUT

Name	GURU PRASANTH
Contact No	+919786381801
Mail ID	guruprasanth0901@gmail.com

Career objective

- Results-oriented Data Analyst with practical experience in SQL, Power BI, and Python, passionate about delivering accurate and timely MIS reports and dashboards.
- Adept at data validation, visualization, and trend analysis, with strong attention to detail and a commitment to data security and compliance.
- Seeking to contribute to Data analytics and reporting initiatives by leveraging my analytical thinking and stakeholder collaboration skills.

❖ PROJECT

Hospital Patient Waitlist Analysis Report (2018–2021) Click to view

Role: Data Analyst

Tools Used: Power BI, SQL, Excel

Project Overview

- This project focuses on analyzing hospital patient waitlist trends from January 2018 to March 2021.

- The goal was to uncover insights related to patient volumes, average wait times, and the distribution of case types (Outpatient, Inpatient, and Day Case) across various specialties and age groups.

Key Insights

- **Total Patients Analyzed**: 24.6 Million+
- **Latest Month Waitlist**:
- **Total**: 709K
- **Previous Year Same Month**: 640K
- **Average Wait Time**: 80 Days
- **Median Wait Time**: 19 Days

Breakdown by Case Type

- **Outpatient**: Dominated the data set with over 21.7M patients.
- **Inpatient**: 845K patients.
- **Day Case**: 2.05M patients.

Breakdown by Age Group

- **0-15 years**: Least wait times but critical cases like Paediatric Dermatology averaged 168 days.
- **16-64 years**: Most significant patient group; long wait durations in certain specialties.
- **65+ years**: Increased concentration in higher wait bands (15-18+ months).

Notable Specialties with High Waits

- **Paediatric Dermatology**: Avg. 168 days
- **Paediatric Orthopaedic**: Avg. 115 days
- **Paediatric Cardiology**: Avg. 102 days
- **Accident & Emergency**: Avg. 111 days

Trends Over Time

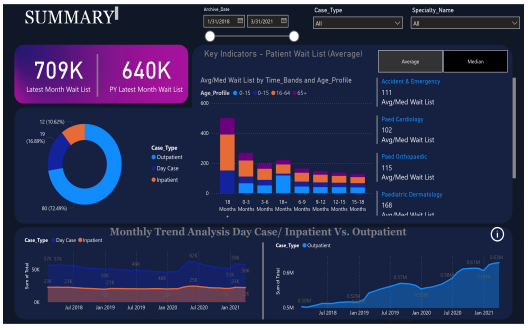
- **Steady growth** in Outpatient demand from 2018 to 2021.
- **COVID-19 impact** evident around mid-2020 with sudden drop & backlog.
- **Significant backlog** buildup observed in long-term wait bands (18+ months).

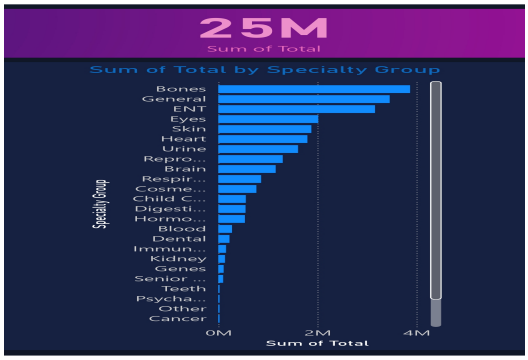
What I Did

- Cleaned and structured raw patient waitlist data using **Excel and Power Query**.
- Built **interactive dashboards in Power BI** to visualize time trends, age profiles, and specialty-wise distributions.
- Implemented **dynamic filtering** using slicers for Time Bands, Case Type, and Age Group.
- Derived KPIs like **average wait time, total patient count**, and **year-over-year comparisons**.

What I Learned

- Practical experience working with real-world healthcare data.
- Advanced Power BI techniques (custom tooltips, DAX measures).
- Importance of designing clear visuals for non-technical stakeholders





❖ EDUCATION

- B.E. in Mechanical Engineering
- M.Kumarasamy College of Engineering, Karur
- Graduation: June 2024

❖ CERTIFICATIONS & TRAINING

I've completed hands-on training in data analytics from **Greens Technology, Chennai**, focusing on real-world applications and industry-relevant tools.

Power BI Training

Institute: Greens Technology, Chennai

- Created interactive dashboards using Power BI Desktop
- Performed data transformation with Power Query
- Wrote custom DAX measures for KPIs and dynamic visuals

SQL for Data Analysis

Institute: Greens Technology, Chennai

- Learned SQL from basics to advanced
- Hands-on practice with joins, aggregations, subqueries, and window functions
- Used MySQL and PostgreSQL for querying large datasets

Excel for Data Analytics

Institute: Greens Technology, Chennai

- Mastered formulas, pivot tables, VLOOKUP, and dashboard creation. Automated reports and built dynamic charts

Python for Data Science

Institute: Greens Technology, Chennai

- Worked with Pandas, NumPy, and Matplotlib
- Did exploratory data analysis, data cleaning, and simple visualizations
- Small projects for real-time business problem solving

Tableau for Data Visualization

Institute: Greens Technology, Chennai

- Built dashboards and storyboards using real datasets
- Used filters, parameters, calculated fields, and blending
- Visual storytelling for business performance tracking

Tools Covered

Power BI, **SQL (MySQL/PostgreSQL)**, **Python (Pandas, NumPy, Matplotlib)**, **Excel**, **Tableau**