

Hemant Sonbarse

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SUMMARY

B.Tech graduate in **Electronics and Communication Engineering** with hands-on experience in **Python, SQL, Excel, Power BI, and Tableau**. Skilled in **data cleaning, preprocessing, transformation, statistical analysis, and visualization** to identify **trends, patterns, and actionable insights**. Experienced in building **interactive dashboards** to support **cross-functional decision-making** and optimize **business performance**.

EDUCATION

Bachelor of Technology in Electronics and Communication Engineering Indian Institute of Information Technology, Design and Manufacturing, Jabalpur	Nov 2021 - Aug 2025
Higher Secondary Education Shantaben Manoharbhairam Junior College, Gondia	March 2020

PROJECTS

Uber Rides Analysis [GitHub link]	Python, SQL, Power BI
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- Conducted **EDA** on 150K+ Uber ride bookings using Python (**Pandas, NumPy, Matplotlib, Seaborn**) to identify demand patterns and operational inefficiencies.
- Developed **SQL queries** to calculate KPIs such as cancellation rates, lost revenue, and peak demand hours for performance tracking.
- Discovered driver cancellations (27K) were **2.5× higher** than customer cancellations (11K), revealing **5M+ potential revenue loss**.
- Built an **interactive Power BI dashboard** to visualize bookings, revenue, and demand trends, enabling data-driven decisions to optimize driver allocation and reduce losses.

Hospital Waitlist Dashboard [GitHub link]	Excel, Power BI, Data Visualization
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- Developed an end-to-end **Power BI dashboard** to track and analyze 65,000+ patient waitlist records across inpatient and outpatient services.
- Built two interactive pages to monitor **KPIs**, specialty-level performance, age profiles, and waiting time bands for actionable insights.
- Revealed that **60% of the backlog** originated from just five specialties, helping management prioritize resources and reduce delays.
- Identified that patients aged **50+ experienced the longest wait times** (18+ months), leading to initiatives to improve patient care and decrease backlog.

HR Analytics Dashboard [GitHub link]	Tableau, SQL, AWS, Snowflake
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- Designed an end-to-end **Tableau dashboard** integrating **Snowflake, AWS S3, and SQL** to unify fragmented HR datasets into a single source of truth.
- Analyzed employee demographics and found that **56% of employees** hold a bachelor's degree, forming the largest workforce segment.
- Identified early attrition risk (**1–3 years tenure**) and **Production Technician I** as the most common job role.

TECHNICAL SKILLS

Languages: Python, SQL (Joins, CTEs, Window Functions)

Libraries: Pandas, NumPy, Matplotlib, Seaborn

Databases: MySQL, Database Management, Data Modeling

Tools: Power BI, Tableau, Excel (Power Query, Pivot Tables), AWS, Snowflake, GitHub, MS PowerPoint

Core Concepts: Data Analytics, Data Cleaning, Data Transformation, Data Visualization, Root Cause Analysis, Data Storytelling, Metrics and Dashboards

CERTIFICATIONS

- Data Visualization with Power BI** – Microsoft
- Databases and SQL for Data Science with Python** – IBM
- Programming in Python** – Meta