Saurabh Kailas Shirole

Data Analyst

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Summary

Data Analyst skilled in SQL, Python, Power BI, and Tableau with hands-on experience in EDA, dashboard creation, and business insight generation. Completed three data-driven projects using real-world datasets, delivering insights that improved decision-making and revealed key patterns in customer churn and energy usage.

Education

B.Sc. Computer Science **2022 – 2025**

Savitribai Phule Pune University

Technical Skills

Languages : Python, SQL
Libraries : Pandas, NumPy, Matplotlib, Seaborn
Data Analytics : Data Cleaning, EDA, Data Visualization, Dashboarding
Tools : Power BI, Tableau, Excel, Git/GitHub
Database Concepts : Joins, Subqueries, Window Functions, CTEs
Soft Technical Skills: Problem-Solving, Statistical Reasoning, Data Storytelling

Projects

Customer Churn Analysis Dashboard **Nov 2025**

- **Analyzed 7,000+ customer** records and built an interactive Power BI dashboard using slicers, filters, drill-downs, and KPI cards to track churn patterns.
- Used DAX measures and calculated columns to segment users by contract type, payment method, and internet service, revealing a **42% higher churn risk** for month-to-month contracts.
- Identified key retention strategies such as long-term contracts and auto-pay incentives to support data-backed customer retention decisions.

Global Energy Consumption Analysis **Sep 2025**

- **Analyzed 5+ years** of global energy consumption data using SQL (JOIN, GROUP BY, HAVING, subqueries) to identify country-wise and annual usage trends.
- Compared renewable vs non-renewable sources and found that major regions increased renewable energy adoption by over **40%**, indicating a clear transition towards clean energy.
- Generated SQL-driven insights to support policymakers and energy companies in optimizing resource allocation and planning sustainability strategies.

Exploratory Data Analysis on ODI Batting Statistics **Aug 2025**

- **Scraped and cleaned 500+ ODI batting records** from ESPNcricinfo using BeautifulSoup and Pandas, converting raw HTML tables into structured datasets.
- Performed EDA on 11 performance metrics (runs, strike rate, average, centuries, match count, etc.) to study era-wise performance shifts and consistency patterns.
- **Identified top 5 consistent players** (low deviation) and showed modern-era strike rates increased by **30%**, supporting data-backed selection strategies.

Certificates

- **Power BI**
- **Data Analysis with MySQL**
- **Exploratory Data Analysis (EDA)**
- **Python Programming**