Alexchandar Joshva

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Mumbai, India

SUMMARY

Recent B.Sc Data Science graduate with hands-on experience in data analysis, visualization, and dashboarding. Skilled in Python (Pandas, NumPy), Power BI, and statistical analysis, with project experience turning raw data into actionable insights and interactive dashboards. Currently strengthening SQL skills to support end-to-end data analysis workflows.

SKILLS

Languages: Python (OOP)

Data Analysis: Pandas, NumPy, Statistical Analysis, Exploratory Data Analysis (EDA)

Visualization & BI: Power BI, Matplotlib, Seaborn

Databases: SQL *(currently learning)*

Tools: Excel, Git, Jupyter Notebook, VS Code

PROJECTS

Madhav E-commerce Sales Dashboard

- Built an interactive **Power BI** dashboard analyzing e-commerce performance, tracking **₹438K** in total sales, **5,615 units** sold, **₹37K** profit, and an **AOV of ₹121K** across four quarters
- Analyzed payment behavior across **5 payment modes**, finding **COD** accounted for **43.7%** of transactions, followed by **UPI (20.6%)** and **Debit Card (13.2%)** — highlighting heavy dependency on cash-based payments
- Broke down product mix by category, revealing **Clothing** drove **62.6%** of quantity sold, followed by **Electronics (20.6%)** and **Furniture (16.8%)**
- Built a **profit-by-sub-category** visual identifying **Printers** and **Bookcases** as the highest-margin product lines
- Designed **quarter and region slicers** for interactive, self-serve filtering, while tracking monthly profit trends that flagged **May, July, September, and December** as loss-making months

Chatlytics — WhatsApp Chat Analytics Platform

chatlytics.netlify.app

ML-powered analytics tool that extracts sentiment, topics, and behavioral patterns from WhatsApp chat exports.

- Implemented **sentiment analysis** using VADER, extended with a custom **300+ word Hinglish/Roman-Hindi lexicon** to handle code-switching common in Indian chat data
- Built a **topic modeling pipeline** using **LDA (Latent Dirichlet Allocation)** with custom stopword filtering to extract conversational themes over time
- Designed an **anomaly detection system** using **Isolation Forest** and a custom Z-score formula to flag unusual activity spikes and silent periods
- Developed a custom **"Chat Health Score"** — a weighted formula combining sentiment, engagement, response time, and participation balance into a single interpretable metric
- Built and deployed the backend using **FastAPI and Pandas**, hosted on Hugging Face Spaces (Docker)

Superstore Sales Dashboard

- Built a multi-page **Power BI** dashboard analyzing retail performance across **₹1.57M** in total sales, **22K units** sold, **₹175K** profit, and an average ship time of **4 days**
- Segmented sales by **region**, finding **West (33.4%)** and **East (28.75%)** as the strongest performers, compared to **South (16.1%)** and **Central (21.7%)**
- Tracked **sales and profit trends by month and year (2019 vs 2020)**, showing consistent year-over-year growth with the steepest gains in **Q4 (Oct–Dec)**
- Compared performance by **category and sub-category**, with **Technology (₹0.20M)** narrowly leading **Furniture (₹0.18M)** and **Office Supplies (₹0.17M)**, and **Phones**, **Chairs**, and **Binders** as top revenue drivers
- Built a **geographic map visual** and calculated key KPIs, evaluating **shipping mode efficiency** — finding **Standard Class** handled the highest sales volume (**₹0.33M**) while **Same Day** lagged at **₹0.03M**

EDUCATION

Bachelor of Science in Data Science

K.E.S. Shroff College of Arts and Commerce, University of Mumbai
2023 – 2026 | CGPA: 7.73/10

CERTIFICATES

Python for Data Science — IBM (Cognitive Class), Dec 2023

Machine Learning Algorithms — Great Learning Academy, Nov 2023