

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), SQL, Power BI, and statistical analysis, with project experience turning raw, messy datasets into actionable insights and interactive dashboards used to drive business decisions.

SKILLS

Languages: Python, SQL

Databases: MySQL, DuckDB, PostgreSQL

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

Visualization & BI: Power BI, Matplotlib, Seaborn

Machine Learning: Regression, Classification, Predictive Modeling (*Scikit-learn*)

Tools: Excel, Git, Jupyter Notebook, VS Code

PROJECTS

Brazilian E-Commerce Sales & Logistics Analytics 🔗

- Analyzed **99,441 orders** and **R\$13M+ in revenue** across **27 Brazilian states** using **SQL** queries and an interactive **Power BI dashboard**
- Identified São Paulo as the **top-performing market (R\$5.2M revenue)** and flagged severe **logistics delays** in the North region, with delivery times nearing **30 days**
- Uncovered strong customer reliance on **credit card installment payments** (avg. **2.85 installments/transaction**), informing insights on payment behavior
- Delivered a **97% delivery success rate** metric and mapped **order status distributions** to support operational decision-making
- Built end-to-end analysis combining **data querying, business intelligence, and dashboarding** to mirror real-world analyst workflows

Employee Workforce Analytics: Salary vs. Performance Analysis 🔗

- Cleaned and analyzed **1,020 employee records**, resolving missing data in **20.7% of entries** using **grouped median imputation** by department-region instead of blind averages
- Uncovered a critical **pay-for-performance misalignment**: employees rated "Poor" earned salaries nearly identical (~**\$119K**) to those rated "Excellent," while top performers earned as low as **\$50K**
- Flagged **7 high-performing, low-paid employees** as top retention risks, translating raw data into an actionable **HR retention strategy**
- Built **7+ data visualizations** (bar charts, distribution plots) using **Matplotlib** to communicate salary and performance trends to non-technical stakeholders
- Applied **exploratory data analysis (EDA)** and **statistical reasoning** to validate findings before drawing business conclusions

Apple Retail Sales Analytics 🔗

- Analyzed **1,040,200 sales transactions** across **89 products** and **75 stores** in **19 countries** by designing a **5-table relational schema** in **DuckDB** and querying it with **SQL**
- Identified September 2020 as the peak sales month (**323,160 units**, 25% above the next-best month), correlating with Apple's annual product launch cycle to inform inventory/marketing timing
- Uncovered a critical geographic imbalance: the top 3 countries generated **872% more revenue** than the bottom 3, despite individual stores performing within 5% of each other globally, highlighting a **market-expansion opportunity** over a store-operations issue
- Analyzed **30,000 warranty claims** across products and found no defective outliers, with claims and repair statuses evenly distributed, ruling out manufacturing/quality-control risk
- Validated **data integrity** (zero nulls, zero duplicates) and fixed date-format inconsistencies before loading into the database, ensuring clean input for all downstream **SQL** analysis

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 🔗