# Vasu Bhardwaj

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## Summary

Data Analyst skilled in SQL, Python, Power BI, and Advanced Excel with hands-on experience in data cleaning, relational data modeling, KPI validation, and automated dashboard reporting. Proven ability to reconcile multi-table datasets and translate complex operational metrics into clear, decision-ready business insights.

## Technical Skills

**Querying & Programming**: SQL (SQL Server, MySQL, PostgreSQL — CTEs, Window Functions, Joins), Python (Pandas, NumPy, Scikit-learn)
**BI & Spreadsheets**: Power BI (DAX, Power Query, Star Schema Modeling), Tableau, Advanced Excel (Pivot Tables, XLOOKUP, Macros)
**Data Analytics**: Data Cleaning & Profiling, Exploratory Data Analysis (EDA), KPI Validation, ETL Pipelines, Statistical Analysis
**AI & Workflow Tools**: Generative AI for Analytics (LLM Data Extraction, Prompt Engineering, LangChain), Git, GitHub, Jupyter, Streamlit

## Experience

**Data Analyst Intern** Jan 2026 – Jun 2026
*Coder Roots* *Chandigarh, India*

- Wrote SQL queries (Joins, GROUP BY, CASE statements, and CTEs) to extract, filter, and aggregate sales and operational data from relational tables for weekly reporting.
- Cleaned raw CSV and Excel datasets by handling missing values, removing duplicates, and applying XLOOKUP, Pivot Tables, and conditional formatting.
- Built 3 interactive dashboards in Power BI and Tableau to track daily/monthly KPIs, category trends, and regional performance across 5 business datasets.
- Cross-checked dashboard totals against SQL query outputs across 5,000+ records to fix missing entries, duplicate rows, and calculation mismatches.

## Projects

**Healthcare Supply Chain & Inventory Analytics** | *Python, SQL Server, Power BI, DAX* GitHub

- Engineered an end-to-end analytics pipeline across 4 operational tables covering 14,218 order records ($3.33M sales, 31,731 units), 224.7K inventory units, and 538 suppliers.
- Conducted Python data profiling and SQL Server KPI validation (stock cover of 49.1 days, 13.08% quantity return rate, and 82.13% average supplier on-time delivery) before building visuals.
- Designed a 5-page Power BI report with custom DAX measures tracking 97.4% inventory stock health (819/841 items above minimum threshold), expiry-risk buckets, and weighted supplier performance scores.

**Zepto Business Performance & Sales Analytics** | *SQL Server, Power BI, DAX, Excel* GitHub

- Modeled a star schema across 8 fact and dimension tables analyzing 5,000 orders, 500 customers, and INR 38.8L in delivered revenue across 15 cities and dark stores.
- Validated SQL and Power BI filter propagation to track a 95.02% delivery success rate (4,751 orders), INR 816.37 delivered AOV, and 59.78% UPI payment adoption.
- Built executive Power BI dashboards evaluating category revenue (led by Fruits & Vegetables at INR 6.76L), dark-store rankings, and weekday vs. weekend order velocity.

**Cuvoria Smart Hospital Recommendation System** | *Python, Pandas, Machine Learning, Streamlit* GitHub

- Cleaned and structured facility metadata across 500+ hospitals, mapping medical specializations, verified ratings, and geographic proximity for healthcare discovery.
- Developed a weighted multi-criteria ranking algorithm combining distance metrics and quality scores to surface top-5 prioritized hospital recommendations.
- Deployed an interactive Streamlit analytics and mapping application enabling real-time filtering by specialty, rating, and location.

## Education

**Apeejay Institute of Management and Engineering Technical Campus** 2022 – 2026
*Bachelor of Technology in Computer Science Engineering* | ***CGPA: 8.57 / 10*** *Jalandhar, India*

## Certifications

- **Oracle Cloud Infrastructure 2025 Certified Data Science Professional**
- **Career Essentials in Generative AI** — Microsoft & LinkedIn