

UDAY KUMAR

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PROFILE SUMMARY

Data Analyst specializing in SQL development, dimensional modeling, and Power BI dashboards. Expert in transforming complex datasets into actionable business insights through advanced analytics, statistical analysis, and interactive visualizations for strategic decision-making.

EDUCATION

- **Bachelor of Technology – Birla Institute of Technology, Mesra – Ranchi, Jharkhand**
Civil Engineering | Dec 2021 – May 2025 | Percentage: 82.1 %
- **Higher Secondary & Secondary Education - GGPS, Sector-5/B – Bokaro Steel City, Jharkhand**
HSC (2020): 84.2% | SSC (2018): 82.67%

SKILLS

- **Programming & Analytics:** SQL, Python (Pandas, NumPy, Matplotlib, Seaborn), Statistical Analysis, Hypothesis Testing
- **Visualization & BI:** Power BI, Tableau, Excel, Jupyter Notebook, DAX, KPI Development, Interactive Dashboards
- **Data Management:** Data Cleaning, EDA, Feature Engineering, ETL Processes, Customer Segmentation, Time Series Analysis

PROJECTS

BLINKIT CITY INSIGHTS | SQL Server (T-SQL), Window Functions, CTEs | [GitHub](#)

- Processed 600,000+ inventory snapshots across 1,000+ dark stores using 9-step CTE pipeline with advanced window functions (ROW_NUMBER, LEAD, AVG OVER).
- Built sophisticated sales estimation algorithm with rolling 3-period averages for restock scenarios, aggregating data across 15+ cities and 50+ product categories.

SALES DATA MODELING & DASHBOARDING | Power BI, SQL, AdventureWorksDW2022 | [GitHub](#)

- Engineered 4-dimensional star schema processing 18,480 customers and 26,800 orders with advanced T-SQL (DATEDIFF, CASE, ISNULL, LEFT functions).
- Built 3-page interactive dashboard (\$29.29M total revenue) with 15+ visualizations including stacked area charts, donut charts, and dynamic country/city filtering.

SUPPLY CHAIN ANALYTICS | Power BI, Star Schema, DAX | [GitHub](#)

- Designed 6-table star schema processing 31,729 orders with complex DAX calculations tracking OT% (59.0%), IF% (52.8%), OTIF% (29.0%) metrics.
- Built comprehensive 3-page executive dashboard with 25+ visualizations including gauge charts, trend lines, and scatter plots, identifying 13,000+ late deliveries averaging 1.69 days delay.

SUPPLY CHAIN ANALYTICS | Power BI, DAX, Star Schema | [GitHub](#)

- Designed a multi-page Power BI dashboard to analyze ₹1.7bn revenue, 57.9% occupancy rates, and booking trends across cities, platforms, and room types.
- Applied DAX to calculate KPIs like 24.83% cancellation rate, average stay duration, and ratings by property for strategic pricing and channel optimization.