UDAY KUMAR

udaykumar7928@gmail.com | +91 7367991208 | LinkedIn | GitHub | Portfolio

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.

HOSPITALITY DATA ANALYSIS | Power BI, DAX, Star Schema | GitHub
- Designed 5-table star schema processing 134.6K bookings across 7 properties with advanced DAX calculations tracking 57.9% occupancy, ₹1,708.8M revenue, and 3.62 average rating metrics.
- Built 4-page executive dashboard analysing ₹298.8M revenue loss, 24.83% cancellation trends across 4 cities with 20+ interactive visualizations and dynamic filtering capabilities.