

ANKUSH RAMKUMAR

BUSINESS & OPERATIONS DATA ANALYST

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PROFILE HIGHLIGHTS

Business and operations analyst with experience using data to diagnose systemic issues, evaluate trade-offs, and support business decisions across valuation, infrastructure, and operational systems.

Portfolio: projectankush.com | **GitHub:** github.com/project4nkush

RELEVANT PROJECTS

Service-Level Calibration & Risk Modeling – E-commerce Logistics Dataset

- Built a Power BI data model linking customers, orders, products, and order items to analyze delivery reliability and operational variance.
- Evaluated delivery promise calibration using percentile-based reliability metrics (P90) and late-delivery risk modeling.
- Simulated policy adjustment scenarios showing that reducing promised delivery time from 24.5 to 20 days would increase late deliveries from 6% to 13%.
- Identified shipment size and geographic factors contributing to delivery variability, highlighting operational constraints beyond policy design.

Concept Project: Kaggle Superstore Dataset – Discount Policy Analysis

- Diagnosed a systemic discount-policy failure by analyzing pricing thresholds and profitability across categories.
- Identified margin collapse beyond deep discount bands and separated systemic vs category-specific issues.
- Recommended targeted discount guardrails to balance order volume retention with profitability.

WORK EXPERIENCE

Civil Engineer | Land & Building Valuation

Ramteke & Associates, Nagpur, Maharashtra, India | 2023 – Present

- Conduct site inspections and surveys; collect and validate land and building data for financial valuation reports.
- Analyze measurements, usage, and condition data; translate findings into bank-compliant valuation documentation.
- Built automated valuation workflows using Google Sheets, reducing turnaround time and improving consistency in bank-facing decisions.

BIM Engineer | Model-Based Data Coordination

Sanrachna BIM & Workshare Partners, New Delhi, India | 2022 – 2023

- Utilized CAD and point cloud data to support delivery of high quality building models.
- Identified coordination conflicts across disciplines and prioritized resolution to minimize rework and project delays.
- Supported in optimizing construction schedule and generated 4D simulations presenting sequence of construction over time.

Civil and Structural Engineer | Infrastructure Analytics

Orbital Engineering Inc., Hammond, Indiana, USA | 2019 – 2020

- In budget and compliance constraints, balanced design robustness with reporting timelines for electrical distribution structures.
- Generated BOMs and analysis reports using Excel and proprietary tools.
- Conducted and validated large-scale field survey data.

Structural Engineer | Forensic Data Analysis

Cooper & Associates LLC, Lombard, Illinois, USA | 2018 – 2019

- Surveyed, analyzed and interpreted post-disaster damage data to support high-value claims balancing evidentiary rigor with time-sensitive requirements.
- Correlated site findings with NOAA, USGS, and FEMA datasets and generated high level damage assessment reports to aid damage recovery.

TECHNICAL SKILLS

- **Data & Analysis**
 - MS Excel (advanced: pivots, modeling, analysis)
 - Google Sheets
 - Data cleaning & validation
- **Visualization & BI**
 - Tableau (certified)
 - Power BI (data modeling, DAX, operational analytics)
- **Programming**
 - SQL (certified)
 - Python (foundational)

EDUCATIONAL QUALIFICATION

Master of Structural Engineering, Illinois Institute of Technology, Chicago, USA (2018)

Bachelor of Technology, Civil Engineering, Symbiosis International University, Pune, India (2015)