Kumar Mehul

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PROFILE SUMMARY

- Data Analytics professional focused on data extraction, preparation, visualization, data quality management, and business intelligence, with experience as a Data Analyst in the nonprofit sector, plus hands-on work on independent analytical projects.
- Uses SQL, Python, and Tableau to build analytical datasets, validate data quality, design dashboards, and prepare reports.
- Grounded in data engineering fundamentals (ETL, dimensional modeling, data warehousing), applied to large, multi-source datasets.

CORE COMPETENCIES

Data Analysis | Data Visualization | Dashboard Development | Business Intelligence | Analytical Reporting | Data Extraction | Data Modeling | Data Quality Management | Data Validation | Data Documentation | Database Design | Data Warehousing | ETL Processes

TECHNICAL SKILLS

Analytics & Visualization: Tableau, Power BI | Dashboards, KPIs, Drill-downs, Ad-hoc analysis, Data storytelling

Languages: SQL, Python (pandas, matplotlib, seaborn) | Data manipulation, Data cleaning, Querying, Exploratory data analysis

Data Preparation: Alteryx, Talend | ETL, Data profiling, Data transformation, Data integration, Data quality

Databases: PostgreSQL, SQL Server, Azure SQL, MySQL, E/R Studio | Relational databases, Dimensional modeling, Data warehousing

WORK EXPERIENCE

Data Analyst | Rebecca Everlene Trust Company | Chicago, USA (Remote) *Oct 2024 - May 2025*

- Constructed a grants intelligence dataset in Google Sheets by extracting IRS 990 and foundation website data for ~2,000 of the team's 8,000 organization records, feeding downstream auditing, gap analysis, and enrichment work.
- Audited the team's full 8,000-record foundation dataset in Google Sheets for structural integrity and formatting, resolving field-level inconsistencies across all records for reliable grant prioritization and outreach.
- Conducted a structured gap analysis across the complete foundation dataset, logging resolutions over multiple review cycles, triaging recoverable gaps for follow-up, and closing out permanently incomplete records.
- Segmented ~6,300 of 8,000 foundations by application deadline into Monday.com boards alongside the grants team, covering a 12-month grant pipeline and enabling prioritization by application window.
- Enriched the finalized foundation dataset by cross-referencing a centralized document repository against each foundation's requirements, producing submission-ready grant packages for ~80% of assigned foundations ahead of reporting deadlines.

PROJECTS

Jersey City Last-Mile Mobility Analysis | PostgreSQL, Python (pandas, matplotlib, seaborn), Tableau *Jun 2026 - Jul 2026*

- Cleaned a 95,350-row trip dataset in Python (pandas), removing 355 null records and 306 cross-system anomalies to produce 94,689 verified trips, recomputed station and rider metrics, and built heatmaps and charts for non-technical stakeholders.
- Built reusable PostgreSQL CTE views for station-level flow, imbalance, and coordinate mapping as a single source of truth shared by the SQL analysis and Tableau map export, eliminating discrepancies between the two.
- Applied a two-stage reliability filter (more than 25 daily rides on at least 6 of 31 days), narrowing the station ranking from 108 to 84, then 81, and quantified station-level imbalance to identify 10 priority stations with daily imbalance up to 17.8%.
- Recommended two city-separated rebalancing routes backed by a published Tableau dashboard of all 108 stations by flow direction, imbalance, and reliability, converting a network-wide problem into two operationally distinct interventions.

IMDB Movie Data Analysis | Alteryx, Talend, Tableau, Azure SQL, E/R Studio *Dec 2023 - Apr 2024*

- Designed a 12-table dimensional model in E/R Studio with 6 dimension, 2 fact, and 4 bridge tables linking movies to genres, cast, and crew, supporting analysis of movie titles, ratings, and box office performance.
- Integrated ~1 million records from 17 sources (6 SQL tables, 2 JSON, 9 TSV box office files) into an Azure SQL warehouse (~8.9 million rows with bridge tables) using Talend ETL, profiling and validating data in Alteryx before load to improve storage and query performance.
- Created Tableau dashboards on genre ratings and revenue, multi-year output and rating trends, seasonal release performance, and regional release footprint, letting stakeholders explore the full catalog without writing SQL.

EDUCATION

Master of Science in Information Systems | Northeastern University, Boston, USA *Sep 2022 - May 2024*

Bachelor of Technology in Information Technology | SRM Institute of Science and Technology, Chennai, India *Jul 2016 - May 2020*