Lakshay Munjal

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PROFESSIONAL EXPERIENCE

Metropolitan Transportation Authority — **New York, NY**

Analyst, FP&A - Capital Programs — **Jan 2026 – Present**

- Develop recurring financial and management reporting using Excel, Power BI, SQL, Oracle Hyperion, & Azure Data Lake to analyze capital program budgets, expenditures, variances, and project financial performance and trends.
- Analyze capital budget variances and reporting exceptions, validate discrepancies, and communicate actionable findings to project partners to support timely decisions.
- Consolidate and standardize historical capital funding data to improve visibility into budgets, expenditures, remaining balances, and project-level financial performance across the capital program portfolio.
- Plan, execute, and monitor capital project funding and staffing requests, processing more than 50% of team requests and tracking action items and deadlines with project controllers and partner teams.

EV Buddy Inc. — **Edison, NJ**

Software Engineer — **Sep 2025 – Jan 2026**

- Developed backend APIs and data models supporting EV charger discovery, booking, and payment workflows.
- Implemented logging and analytical tracking to monitor user activity, identify operational issues, and improve application reliability.

Metropolitan Transportation Authority — **New York, NY**

Analyst, Operations — **Jan 2025 – Sep 2025**

- Built SQL and Python ETL pipelines integrating Azure Data Lake, Salesforce, and operational datasets, reducing manual reporting by approximately 15 hours per week.
- Created Tableau dashboards to track operational performance, asset activity, budget and goal progress, and KPIs across 300+ subway stations, helping partners monitor network-wide trends.
- Implemented data quality, validation, and reconciliation checks to surface exceptions across operational and financial reporting datasets and improve reporting accuracy.
- Analyzed operational and performance data across a complex transportation organization to identify trends, exceptions, and process-improvement opportunities.

Qdexi Global Solution LLC — **Delhi, IN**

Junior Developer — **Jan 2023 – Aug 2023**

- Developed Power BI dashboards using marketing, Salesforce, and operational datasets for 10+ clients, supporting revenue reporting, KPI analysis, and business performance reviews.
- Used Alteryx and Python to clean and transform business datasets, improving data consistency and streamlining recurring reporting processes.

SR Transport Management Services Private Limited — **Delhi, IN**

Software Developer Intern — **May 2022 – Nov 2022**

- Analyzed GPS and telemetry datasets across 120+ vehicles to monitor fleet activity, route efficiency, logistics KPIs, and operational exceptions.
- Supported data validation, requirements discussions, and QA activities to improve reporting accuracy and operational decision-making.

Software Engineer Intern — **Jul 2021 – Oct 2021**

- Developed SQL-based data processing solutions to transform operational & financial records for business reporting.
- Built reporting tools and performed financial data validation and reconciliation to improve revenue and operational reporting accuracy.

PROJECTS

Retail Demand & Financial Planning Intelligence

Python, SQL, PostgreSQL, Power BI, DAX | 2026

- Built an end-to-end retail analytics platform using public retail data to analyze store-level sales, pricing, promotions, demand trends, and financial performance.
- Developed demand forecasting and actual-versus-forecast variance analysis to evaluate revenue performance, forecast accuracy, and key business drivers across products, categories, and stores.
- Built scenario-based FP&A models for revenue, gross profit, and inventory requirements under downside, base, and upside demand assumptions.
- Developed a Power BI executive dashboard with revenue, forecast accuracy, financial variance, inventory risk, demand trends, and scenario-planning KPIs using DAX.

Enterprise Operations Intelligence Copilot

Databricks, PySpark, Delta Lake, Python, SQL, RAG, MLflow, XGBoost, FastAPI | 2026

- Built a Databricks lakehouse integrating structured operational data, APIs, and unstructured documents through Bronze-Silver-Gold pipelines for data preparation, validation, enrichment, and analytics.
- Engineered PySpark and SQL workflows to transform operational data into analysis-ready datasets and KPIs for service reliability, delays, headways, demand, and disruption patterns.
- Developed and evaluated an XGBoost model for operational disruption risk using historical service, schedule, weather, and incident data, with MLflow for experiment tracking and model management.
- Built a hybrid RAG operations copilot combining structured data with semantic retrieval, reranking, and source citations to answer operational questions and explain supporting evidence.

Banking Transactions & Revenue Analytics

Python, SQL, PostgreSQL, Pandas, Power BI | 2026

- Built an end-to-end Python and SQL analytics pipeline for 6.36M synthetic PaySim transactions, transforming raw payment data into analysis-ready datasets.
- Implemented data-quality and reconciliation controls to identify missing values, duplicate records, and balance inconsistencies and generate exception outputs.
- Developed financial analytics to evaluate transaction activity, approval rates, and simulated fee revenue across transaction types and time periods.
- Built an interactive Power BI dashboard to analyze transaction activity, revenue performance, & operational trends.

EDUCATION

New Jersey Institute of Technology — **Newark, NJ**
Master of Science (MS) in Computer Science — Sep 2023 – May 2025

Guru Gobind Singh Indraprastha University — **Delhi, IN**
Bachelor of Technology (BTech) in Information Technology — Aug 2019 – Jul 2023

TECHNICAL SKILLS

Financial & Business Analysis: FP&A, Financial Analysis, Financial Modeling, Forecasting, Budget-to-Actual Analysis, Variance Analysis, Revenue Analysis, Scenario Analysis, Management Reporting, KPI Reporting, Reconciliation

Analytics & BI: Microsoft Excel, Power BI, DAX, Power Query, Tableau, Dashboard Development, Data Visualization

Programming & Querying: SQL, Python, PostgreSQL, Pandas, Google Cloud Platform

Enterprise & Data Platforms: Oracle Hyperion, Oracle ERP, Azure Data Lake, Snowflake, Alteryx, Salesforce

Business & Data Practices: Project Management, Data Modeling, Data Validation, Data Quality, Process Improvement, Requirements Gathering, Reporting Automation, Cross-Functional Collaboration

Tools: Power Pivot, Power Apps, Power Automate, SharePoint, Azure DevOps, Git, GitHub