

Lochanreddy Mallakunta

Junior Data Analyst

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PROFILE

Detail-oriented Junior Data Analyst with 2+ years of progressive experience in SQL querying, data extraction, validation, and reporting across enterprise and cloud-hosted environments. Strong hands-on SQL expertise including CTEs, complex joins, subqueries, aggregations, stored procedures, and cursors; experienced with relational databases including PostgreSQL, SQL Server, MySQL, and Snowflake. Proficient in Python (Pandas, NumPy) for ETL pipeline development, data automation, and analytical modeling. Skilled in Power BI and Tableau for dashboard development, and Advanced Excel for data analysis and operational reporting. Adept with AWS cloud data environments (S3, RDS, EC2) and AI productivity tools (Claude AI, Cursor) to accelerate query development and documentation. Proven communicator who translates complex data insights into clear narratives for both technical and non-technical stakeholders.

TECHNICAL SKILLS

SQL & Databases: SQL (CTEs, joins, subqueries, aggregations, stored procedures, cursors, troubleshooting), PostgreSQL, MySQL, SQL Server, Snowflake, Oracle (basic), relational database design, data modeling

Programming & Analytics: Python (Pandas, NumPy, scikit-learn), ETL Pipelines, Data Cleansing & Transformation, Anomaly Detection, Predictive Modeling, data quality validation, SAS (basic exposure)

BI & Visualization: Power BI (DAX, Power Query/M, Measures, Calculated Columns), Tableau, Advanced Excel (PivotTables, VLOOKUP, Power Query), KPI Dashboards, data storytelling, ad hoc reporting

Cloud & Infrastructure: AWS (S3, RDS, EC2, Lambda, IAM, Cloud Foundations, Architecting), Azure AI, GCP (Basic), Netlify, Firebase, cloud data environments, data warehousing concepts

AI & Developer Tools: Claude AI (query generation, data documentation, analytical workflow acceleration), Cursor (AI-assisted SQL/Python development), Prompt Engineering, VS Code, GitHub

Enterprise & Collaboration: Jira, Trello, SharePoint, Salesforce, MS Office Suite (Teams, Outlook), Figma, cross-functional stakeholder reporting, business requirements documentation

EXPERIENCE

Founder & Full-Stack Developer -- Digipae (Ceivis LLC)

Oct 2025 - Present

St. Louis, MO

- Built and shipped Digipae, a production-grade fintech app; designed structured data schemas equivalent to complex SQL joins, aggregations, and keyed writes -- supporting real-time transaction analytics and KPI reporting.
- Instrumented full product analytics with Mixpanel tracking payment funnels, onboarding drop-off, KYC conversion, and user retention; supported ad hoc reporting requests and executive-level data summaries.
- Designed a real-time KPI dashboard surfacing transaction volumes, error rates, and compliance metrics; documented data mappings and technical logic for cross-functional stakeholders.
- Reconciled multi-vendor data flows (Stripe, Socure, Plaid, Firebase) -- sourcing, normalizing, and aggregating into a single consistent reporting view with automated data validation checks.

Data & BI Lead -- Smart-City Research Project

Aug - Dec 2025

Saint Louis University -- Master's Research Project, St. Louis, MO

- Led backend data systems and BI reporting layer for an urban analytics prototype monitoring real-time traffic and PM2.5 air quality across 5+ city junctions.
- Engineered a Python (Pandas, NumPy, scikit-learn) ETL data pipeline with heuristic predictive models for forecasting; validated data accuracy and documented technical logic for city stakeholders.
- Designed a responsive BI dashboard with live telemetry feeds, scenario testing, and early-warning signals -- enabling data-driven operational decisions and ad hoc reporting for cross-functional teams.

Data Analyst Intern -- Gateway Region YMCA

May - Oct 2024

Saint Louis, MO

- Wrote complex SQL queries (CTEs, multi-table joins, subqueries, aggregations) against SQL Server databases to extract and analyze membership, program participation, and financial data for operational reporting.
- Built Power BI dashboards and Excel reports with automated data validation -- improving leadership visibility into membership trends, program performance, and recurring operational metrics.

- Performed systematic data quality checks, validation, and cleansing on large datasets to ensure accuracy and completeness across monthly and quarterly reporting cycles.
- Automated recurring data extraction and reporting workflows using Python (Pandas), reducing manual reporting effort by approximately 35% and freeing capacity for higher-impact analysis.
- Supported ad hoc reporting requests from operations, finance, and marketing teams; communicated analytical insights clearly to both technical and non-technical stakeholders.
- Documented data mappings, business requirements, and report logic; participated in testing and validation of new data processes and dashboard enhancements.
- Leveraged Claude AI and Cursor to accelerate SQL query development and Python scripting, improving analytical workflow efficiency and documentation quality.

Cloud Developer -- TVM Infotech Private Limited

Oct 2023 - Dec 2024

Chennai, India (Industry placement during Bachelor's degree)

- Developed and optimized SQL queries (CTEs, joins, subqueries, aggregations, **stored procedures, cursors**) against PostgreSQL and MySQL databases to support enterprise application data layers and business reporting.
- Built Python automation scripts for data extraction, transformation, and loading (ETL) across cloud-hosted AWS data sources -- including S3 data ingestion pipelines, RDS query workflows, and Lambda-triggered batch processes.
- Deployed and managed cloud data infrastructure using AWS services: S3 (data archiving), RDS (relational database hosting), EC2 (compute), and IAM (access policies and security roles).
- Wrote SQL stored procedures and cursors to automate iterative row-level data processing workflows, reducing manual data preparation time by approximately 30% on recurring reporting tasks.
- Performed data validation and quality checks on migrated datasets; documented schema designs, data mappings, and technical logic to support knowledge transfer and enterprise deployment.

PROJECTS

H&R Block -- Tax Analytics & Automation

May 2024

- Analyzed user filing patterns and financial data to identify workflow bottlenecks; restructured ETL pipelines, boosting data processing efficiency by 40%.
- Created dynamic Power BI dashboards with automated data validation -- improving error tracking visibility and providing leadership real-time insight into platform activity.
- Built Python scripts to automate routine reporting and data backups, cutting manual effort by 50%; collaborated in a 3-member team to resolve data inconsistencies and deliver production-ready reports.

AI-Driven Healthcare Analysis & Reporting

Oct 2024

- Built an AI-powered anomaly detection system (Python + MySQL) improving identification of critical health metric patterns by 30%, reducing time-to-insight for clinical decision-makers.
- Designed HIPAA-compliant BI dashboards with role-based access controls; reduced load times by 25%, enabling faster real-time monitoring and audit-ready data access.
- Validated data accuracy across all user roles within a 4-member team to ensure insights were reliable and consistent with enterprise data quality standards.

EDUCATION

Master of Science -- Information Systems | Saint Louis University, St. Louis, MO

Bachelor of Technology -- Computer Science & Engineering | Sree Vidyanikethan Engineering College

CERTIFICATIONS

- AWS Academy Graduate -- Cloud Foundations & Architecture
- Microsoft Azure AI Essentials -- Microsoft & LinkedIn
- Azure AI: Workloads & Machine Learning
- Human Skills in the Age of AI -- Microsoft & LinkedIn
- The Joy of Computing Using Python -- NPTEL
- Microsoft Security Essentials: AI-Powered Protection
- Integrating Generative AI into the Creative Process
- What is Generative AI? -- LinkedIn Learning