

Thrivikram Kotharu

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Data Analyst with 3 years of experience transforming data into actionable insights through SQL, Python, Tableau, and Excel. Skilled at building dashboards, automating reports, and conducting advanced analysis to support smarter business decisions and improve operational performance.

Skills

- **Programming & Tools:** SQL, Python, R, Excel (Pivot Tables, VLOOKUP, Advanced Functions), Tableau
- **Libraries & Frameworks:** Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn
- **Data Analysis & Analytics:** Data Cleaning, Exploratory Data Analysis (EDA), Predictive Modelling, Statistical Analysis, Report Automation
- **Visualization & BI:** Tableau (dashboards, storyboards), Excel (dashboards, charts), Data Storytelling
- **Databases:** MySQL, PostgreSQL, Snowflake
- **Cloud Exposure:** AWS (S3, Lambda, CloudWatch scheduling)

WORK EXPERIENCE

Data Analyst, Oct 2022 – Aug 2024

Tata Consultancy Services (TCS)

- Built ETL workflows in Python + SQL to integrate data from API's, flat files, and relational databases, cutting manual reporting effort by 20%.
- Delivered validated datasets to analysts, supporting KPI dashboards and portfolio reporting across 5+ business units
- Performed data quality checks and validations, reducing reporting errors by 15%.

Junior Data Analyst, Oct 2021 – Sep 2022

Tata Consultancy Services (TCS)

- Implemented a Snowflake warehouse with fact/dimension schema's, improving portfolio analysis query performance by 40%.
- Developed 5+ Tableau dashboards monitoring customer satisfaction, operational KPI's, and portfolio health, improving leadership visibility by 30%.
- Conducted predictive modeling (Scikit-Learn, Pandas, NumPy) with 85% accuracy to forecast customer behavior and risk trends.
- Built a real-time fraud detection pipeline (Kafka + Spark), reducing detection time from hours to minutes and saving ~\$150K annually
- Partnered with cross-functional teams to translate financial reporting needs into actionable insights, contributing to a 15% NPS improvement

RESEARCH EXPERIENCE

Research Assistant (Volunteer) 2025-Present

Central Michigan University, Mount Pleasant, MI

- Conducted academic research on platform governance and gig worker benefits, applying a socio-technical systems and algorithmic management perspective.
- Co-authored a research paper accepted and presented at ICIS 2025 TREO (Association for Information Systems).
- Performed comparative analysis of U.S. and Indian gig-economy frameworks, examining regulatory structures, platform design, and digital infrastructure.
- Contributed to literature review, research synthesis, and theoretical framing, translating findings into policy- and platform-relevant insights.

PUBLICATIONS

Platform Governance and Gig Worker Benefits: A Socio-Technical Approach

Kata, L. B. S., Kotharu, T., Huang, X.

ICIS 2025 TREO, Association for Information Systems (AIS), 2025

- Examines how platform governance, system design, and digital infrastructure shape employment benefit implementation for gig workers in algorithmically managed labor markets.
- Introduces a socio-technical framework to analyze benefit availability, portability, and uptake across different national contexts.

Project

Instamart Data Warehouse & Dimensional Modeling | Snowflake, AWS S3, SQL

- Designed and implemented a Star Schema with 1 fact and 5+ dimension tables, enabling queries across orders, products, and customers.
- Built ELT pipelines from AWS S3 → Snowflake, loading and transforming 3M+ records, improving query performance by 40%.
- Delivered 7+ analytical use cases (basket size trends, reorder rates, peak hours), supporting portfolio-style reporting and insights.

Spotify Playlist ETL Pipeline – AWS Cloud

- Automated daily ingestion of 1,000+ records from the Spotify API using AWS Lambda and CloudWatch triggers.
- Transformed raw JSON into structured datasets in S3 (raw → processed layers), enabling scalable reporting.
- Implemented AWS Glue Crawler + Data Catalog, reducing schema creation time by 80% and enabling SQL-based analytics in Athena with sub-2 second queries.
- Reduced manual data processing by 100%, ensuring fully automated reporting.

Certifications

- Tableau Desktop Specialist – Tableau
- Google Data Analytics

Education

Central Michigan University, Mount Pleasant, MI

Master of Science in Information Systems | Anticipated Graduation: Aug 2026 | GPA: 3.9

ACE Engineering College, Hyderabad, India

Bachelor of Technology in Electrical & Electronics Engineering | Graduated: May 2021