

# SAMUEL JAMES GUDISE

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## EDUCATION

### Master of Science – Business Analytics

May 2025

Kent State University

GPA – 3.88/4

### Bachelor of Commerce (Honors) – Finance

May 2022

Osmania University

GPA – 3.63/4

## WORK EXPERIENCE

### Cognizant Technology Solutions

Oct 2022–June 2023

*Process Executive - Data*

- Analyzed autonomous vehicle data to improve self-driving technology safety, performance, and system reliability.
- Utilized LiDAR and sensor fusion technology to analyze laser data, accurately classifying objects surrounding the Self-Driving Car (SDC).
- Analyzed large datasets to identify key trends and influences, supporting data-driven decision-making and operational improvements.
- Conducted root cause analysis to inform strategic initiatives and enhance data interpretation processes.
- Maintained high standards of confidentiality, business ethics, and integrity while handling sensitive AV data.

## ANALYTICS PROJECTS

### Financial Risk Modeling & Forecasting – Quantitative Research Project

Mar 2024 – Jul 2024

Developed a financial forecasting model to assess loan eligibility using customer income, credit history, employment type, and education as key indicators.

- Applied data transformation techniques including one-hot encoding and normalization; conducted feature selection using correlation analysis, PCA, and backward stepwise regression.
- Developed and validated predictive risk models using statistical techniques (PCA, Regression, K-NN, Naive Bayes) on financial lending datasets, achieving 80% classification accuracy and supporting cashflow forecasting and gross margin analysis for strategic decision-making.
- Conducted variance analysis between model predictions and actual outcomes to evaluate forecast reliability; visualized insights using bar charts, boxplots, and histograms for data-driven decision-making.

### Power BI Data Dashboards and Visualization Projects

April 2024–May 2024

- Developed IT support dashboards in Power BI to visualize key performance metrics such as response and resolution times by office and issue type using bar and line charts with slicers.
- Built donor performance dashboards to monitor contributions, legacy donor engagement, and solicitation outcomes across development officers and communication channels.
- Applied Power Query for data extraction, cleaning, and transformation to prepare report-ready datasets with consistent structure and quality.

### SQL Database Design and Data Integrity Implementation

November 2024–December 2024

- Designed and implemented normalized relational database schemas using Oracle SQL with CREATE TABLE, ALTER TABLE, and constraint definitions including CHECK, DEFAULT, PRIMARY KEY, and FOREIGN KEY.
- Ensured data integrity and accurate referential relationships by executing validation scripts and debugging schema-level errors.
- Applied database normalization principles to enforce business logic and maintain consistency across interrelated tables.

## SKILLS & CERTIFICATIONS

**Skills:** Data Collection and Analysis, SQL Query Development, Data Visualization (Power BI, Tableau, Excel), Market Research and Industry Analysis, Business Process Improvement, Report Development and Presentation, Data Integrity and Compliance, Cross-Functional Team Collaboration, Critical Thinking and Problem Solving, Analytical Insights Development, Stakeholder Communication.

**Certifications & Training:** Alteryx Designer Core Certification, MySQL for Data Analytics and Business Intelligence, Tableau Desktop Specialist, Introduction to R Programming.

**Tools:** MS Office Suite (Excel - Advanced, PowerPoint, Word, Outlook), SQL, Tableau, Power BI.