

CAREER SUMMARY

Certified Google Engineer with 5+ years of experience in data visualization, machine learning, and cloud computing. Skilled in Python, MySQL, Tableau, and advanced analytics techniques. Proven ability to drive data-driven decision-making, enhance operational efficiency, and deliver actionable insights.

EDUCATION

University of North Texas**01/2023–12/2024**

Master's in Advanced Data Analytics

GPA: 4.0/4.0

SKILLS

Programming: Python, R, SQL, HTML, CSS, C++, JavaScript, Java, Data Structures and algorithms, Go**Data Visualization:** Tableau, Power BI, Excel, Looker Studio**Machine Learning:** TensorFlow, Linear Regression, ANOVA, Logistic regression, Decision trees, Random Forest, SVM, KNN, Gradient boosting, AdaBoosting, Statistics, Mathematics, hypothesis analysis**Big Data and AI:** Computer Vision, Data Warehouse, Big Query, Google Vertex AI, Data Mining, Data warehousing, Airflow, Snowflake, Oracle DB, Data modeling, Predictive Modeling**Tools:** Google Cloud Platform(GCP), Azure, AWS, Linux, Unix, Anaplan, Microsoft Office (Word, Outlook, Power Apps, and PowerPoint), SAS, Docker, Jenkins, Kubernetes, Ansible, Git, Rapid Miner, Lightcast, Salesforce, Jira, Kanban, ClickUp**Domain Knowledge:** Pricing strategy development, Fraud detection algorithms, Supply chain analytics, Time series analysis

RELEVANT WORK EXPERIENCE

Market Research Analyst at University of North Texas**03/2024 – Present**

- Produced, analyzed, and compiled 10 comprehensive reports, queries, and datasets, meticulously organizing and formatting the data for seamless integration into the PHOI tool developed by UNT DSI-Digital Growth.
- Designed and deployed a dynamic Power BI dashboard by integrating data from Lightcast, Salesforce, and Insights 2.0, uncovering critical market trends that empowered the university marketing team to enhance strategic decision-making by 15%.

Capital Planning Assistant at University of North Texas**06/2023 – 02/2024**

- Engineered and implemented a Power Apps application to streamline data collection for Facilities inspectors during site inspections, significantly reducing manual effort by 30%.
- Delivered business insights using the Power BI dashboard, enhancing decision-making by 25%.

Data Analyst at Tata Consultancy Services**01/2019 - 12/2022**

- Designed and implemented optimized stored procedures to enhance ETL processes, improving query performance by 40% and reducing pipeline processing times, leading to greater system efficiency.
- As a shift lead, accomplished a 20% increase in operational efficiency by implementing optimized scheduling strategies and conducting proactive team performance monitoring.
- Designed, developed, and maintained automated build, test, and deployment pipelines, driving a 40% reduction in deployment time and a 25% decrease in build failures.
- Conducted root cause analysis for pipeline failures, providing detailed reports that reduced system errors by 15%, while implementing preventive measures to drive operational efficiency and prevent future issues.

ACADEMIC PROJECT

Operating Budget of Dallas

Visualized Dallas city operating budget in **Tableau** after transforming raw data with **Tableau Prep** Builder, revealing the **Water Utility Department** as the highest spender in **2022**

Credit Card Fraud Detection

Developed a machine learning model using **LightGBM** to detect fraudulent credit card transactions. Achieved the highest **AUPRC** score of **0.8966** after hyperparameter tuning, achieved fraud detection accuracy by 94.509%.

Apple Stock Price Prediction

Developed an **LSTM** (Long Short-Term Memory Recurrent Neural Network) model using the Keras Sequential library, achieving a 15% increase in stock price forecasting accuracy.

Sentiment Analysis for Customer Feedback

Conducted sentiment analysis on Amazon reviews using **VADER**, **RoBERTa**, and **NLTK**. Analyzed customer feedback to classify sentiments and identify key factors affecting customer satisfaction.

ACTIVITIES AND HONORS

Received the **Excellence Award** from the University of North Texas for developing an advanced macros model using Excel.

Honored with the **Best Team Award** at Tata Consultancy Services for delivering outstanding support to the application team.