SANJANA KADAMBE MURALIDHAR

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EDUCATION

The George Washington University — Washington DC
Master of Science, Data Science (Recipient of Global leader's award) — Expected May 2026
Relevant Coursework: Introduction to Data Science, Data Mining, Data Warehousing.

SJB Institute of Technology — Bengaluru, India
Bachelor of Engineering, Information Science (GPA:3.5) — August 2022

TECHNICAL SKILLS & CERTIFICATIONS

- **Programming Languages and Databases**: C, Python, R, SQL, NoSQL (MongoDB, Neo4j)
- **Libraries**: NumPy, Pandas, Matplotlib, Seaborn, Plotly, scikit-learn
- **Data Visualization and Business Intelligence:** Tableau, Microsoft Excel
- **Key competencies:** Statistics, Data integration (ETL), Cloud data migration, Data Modeling, advanced analytics and data visualization, Data Warehousing, Informatica power center, Informatica cloud.
- **Certifications:** Informatica Cloud Data Quality and Data Integration R41 Professional, IBM Data science Professional.

PROJECT EXPERIENCE

US Fatal Motor Vehicle Analysis — October 2024

- Analyzed over 39,000 records from the 2022 Fatality Analysis Reporting System (FARS) dataset to identify key risk factors impacting U.S. motor vehicle fatalities, utilizing data visualization and statistical techniques to reveal high-impact trends.

Predicting the costs of used cars — March - April 2022

- Built a predictive model with python using algorithms such as linear regression, decision tree regressor and KNN regressor, achieving an accuracy of 85% with a random forest regressor.

Exploratory Data Analysis of Play Store — January - February 2020

- Conducted extensive data analysis on various app categories in the Play Store using Python, focusing on exploratory data analysis, outlier detection, and principal component analysis to reveal critical insights into user ratings and preferences.
- Developed and deployed an interactive dashboard using Dash to visualize plots like line charts, bar charts and pie charts.

PROFESSIONAL EXPERIENCE

Data Science for Sustainable Development, Washington DC — October 2024- Present
Consultant and Researcher- Data Science Research Team

- Spearheading the end-to-end development of a city-specific eco-label for Washington DC to support sustainability, leveraging advanced data modeling, statistical analysis, and strategic decision-making to deliver impactful community-based insights.

Informatica, Bengaluru
Data Consultant — January 2023 – July 2024

- Engineered data pipelines with Informatica Intelligent Cloud, developing ETL processes to organize and standardize data from diverse sources. Ensured accuracy with test cases, optimizing data processing and transformation.
- Analyzed RPA-generated reports to verify source files, database connections, and datatype consistencies. This created detailed prerequisite reports that reduced client-side preparation time by 20% and improved process efficiency by 30%.
- Used SQL for complex data querying and resolved data inconsistencies, enhancing data cleanliness by 90%. Optimized data processing and applied transformation rules to improve overall system performance. Achieved CSAT rating of 4.7.

Informatica, Bengaluru
Data Engineer- Associate — August 2022 -December 2023

- Designed and optimized ETL pipelines using Informatica workflows boosting customer engagement and insights by 40%.
- Collaborated with cross-functional teams to translate business requirements into technical specifications, conducted risk assessments on data pipelines, and resolved inconsistencies to ensure data accuracy and reliability.
- Developed customer utilities using Python to automate the generation of security certificates (self & CA signed), which significantly reduced time constraints, minimized manual errors and authorized transfer of data to cloud.

Verzeo, Bengaluru
Data Science and Machine Learning Intern — February 2020- March 2020

- Performed exploratory data analysis and model building using Pandas, NumPy and TensorFlow, while automating weekly and monthly reports through Tableau, reducing manual effort and increasing reporting accuracy by 30%.