Kanishka Gaddampally

kanishka.gaddampally@gmail.com | 984-268-8515
www.linkedin.com/in/kanishka-gaddampally-452399154

EDUCATION

UNIVERSITY OF MASSACHUSETTS DARTMOUTH   Jan 2025
Master's in Data Science | CGPA: 3.63/4 (till Spring 2024)

SRM UNIVERSITY AP   May 2021
Bachelor of Technology in Electronics and Communication Engineering | CGPA: 8.96/10

WORK EXPERIENCE

COGNIZANT TECHNOLOGY SOLUTIONS

Positions held: Programmer Analyst   July 2022 – Dec 2022
             Programmer Analyst Trainee   July 2021 – July 2022

PROJECT 1: Catastrophe Claim Automation Process
Role: ETL Developer
Tools: IBM InfoSphere DataStage, Oracle, Control M, Unix
Managed ETL processes, performed data analysis, and monitored job execution using IBM InfoSphere DataStage, Oracle, and Control M.

PROJECT 2: D2I Migration
Role: Developer
Tools: Oracle, Snowflake, SAS
Led migration efforts to modernize data processes, developed SQL scripts, and utilized SAS programs for data validation and comparison.

SRM UNIVERSITY, AP

Teaching Assistant   Feb 2020 – May 2020
Worked as teaching assistant for Minerva course on critical thinking.

SKILLS

Technical: Python, C, SQL, R, Unix, Amazon Web Services, Machine learning

PROJECTS

Enhancing credit card fraud with SMOTE
Implemented SMOTE to address credit card fraud imbalance, boosting accuracy and minimizing false positives using Python and scikit-learn.
Techniques used: Exploratory data analysis, Data preprocessing, Logistic regression, Random forests, Decision trees, Gaussian naive bayes, Model evaluation.

Enhancing Travel and Hospitality through Big Data Analytics
Innovatively utilized Azure Blob Storage, Databricks, and Power BI for transformative data analytics in travel and hospitality, enhancing operational efficiency and customer satisfaction.
Techniques used: ETL pipeline development, Data storage, Data processing, Data cleaning, Data transformation, Data visualization, Statistical analysis.

Accelerating kd-tree construction and nearest neighbor search with OpenMP
Developed and evaluated a high-performance algorithm leveraging OpenMP, achieving significant speed improvements on multi-core systems. Identified optimization potential and future research avenues for broader application.
Techniques used: Parallel computing with OpenMP, KD-Tree Construction, Performance evaluation, Data Generation, Matplotlib Visualization, Code Optimization, Performance Scaling.

LEADERSHIP

SRM University, AP

Department Coordination Committee   July 2020 – June 2021
Elected as student member for Electronics and Communication Engineering Department.

PUBLICATION

Size Analysis of Brain Tumor from MRI Images Using MATLAB, IEEE   Oct 2021
Applied techniques such as noise removal, segmentation, and morphological operations for brain tumor detection and analysis.
Techniques used: Noise removal, Segmentation, Morphological operations, Size analysis.