Prriyamvradha Parthasarathi

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EDUCATION

Master of Science, Business Analytics - The University of Texas at Dallas | GPA 3.83 May 2024
Major – Data Engineering and Data Analytics
Bachelor of Engineering, Electronics and Communication Engineering - Anna University | GPA 3.30 April 2019

CERTIFICATIONS & TECHNICAL SKILLS

Certifications: Alteryx Designer Core, AZ - 900 Azure Fundamentals, SQL for Data Analytics & Business Intelligence
Tools: Ab Initio, Alteryx, Kleene.AI, Tableau, Advanced Excel, Excel VBA, JIRA, Git
Programming: R, Python, Hadoop, Hive/Impala, PySpark, Unix/Linux, Data Manipulation Programming
Databases: MySQL, Snowflake, Oracle, MongoDB
Cloud: AWS, Azure

PROFESSIONAL EXPERIENCE

Data Engineer Intern - Kaay Labs Inc, United States June 2023 – August 2023

- Implemented efficient ETL pipelines with Kleene.AI, leading to streamlined processing and improved data quality.
- Formulated and executed data schema for internal data warehouses and SQL/NoSQL databases, leading to a 25% increase in storage efficiency and a 15% improvement in data retrieval speed.
- Designed data models, leading to a 20% increase in application performance and minimised development time.
- Implemented Data Governance practices for operational issue monitoring, achieving a 95% reduction in downtime and ensuring uninterrupted data flow.

Senior Data Engineer - Larsen and Toubro Infotech LTI, India May 2019 – July 2022

- Developed data solutions for a banking client by orchestrating a smooth and effective data flow through data pipelines and ETL workflows resulting in a 30% reduction in overhead data processing time.
- Utilized advanced Excel and Ab Initio (ETL Tool) to build an automated reporting system which created daily and monthly reports for the US Federal Reserve system, leading to 90% reduction in manual report preparation time.
- Improved, modified, and maintained SQL queries and procedures for reports and optimized SQL queries which reduced client application runtime by 50%.
- Led a team of 20 members and collaborated on upgrading a web application (MHUB 4. x) and completed upgrade without impact within 2 months and received strong client appreciation for efforts.
- Leveraged Agile Methodology to prioritize and manage project tasks, realizing a 25% uptick in team productivity.
- Guided Data Warehouse Design enhancements for increased adaptability, yielding a 20% boost in processing efficiency and a 15% reduction in query response time.

ACADEMIC PROJECTS

Gender Dynamics and Compensation Analysis| GitHub October 2023 to November 2023

- Conducted an analysis of gender dynamics and compensation trends, utilizing MySQL and Tableau. Quantified a 20% reduction in gender-related pay disparities since 1990, informing strategic decision making.

Alteryx Datathon Project – Streamlining IRS Reporting process | GitHub January 2023 – February 2023

- Enhanced U.S. companies' IRS reporting with Alteryx, constructed ETL pipelines for data cleansing and aggregation, mitigated processing time by 30%, and elevated fiscal transparency through insightful reports.

Truck Fleet Movement Reporting and Analytics | GitHub March 2023 – May 2023

- Carried out a Truck fleet movement project by integrating data, visualized with Tableau, analyzed using Hadoop, Impala. Applied logistic regression for accident factors.

E-Commerce Database Management System | GitHub September 2022 – November 2022

- Created an amplified e-commerce MySQL database model, applying data normalization techniques for precise data analysis and elevated business insights to boost sales and profits by 70%.

ORGANIZATION EXPERIENCE

Vice President - **INFORMS Club**, UT Dallas October 2022 – Present

- Orchestrated events team, refined event logistics and SOC representation for improved funding prospects.

Mentoring Team Lead - **Business Analytics Leadership Council (BALC)**, UT Dallas February 2023 – Present

- Facilitated resources and support for MSBA students, ensuring program success through efficient coordination.