

# Priyamvradha Parthasarathi

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## CERTIFICATIONS & TECHNICAL SKILLS

**Certifications:** Alteryx Designer Core, AZ - 900 Azure Fundamentals, SQL Fundamentals (ANSI) certified  
**Tools:** Ab Initio, Alteryx, Kleaner.AI, SSIS, Databricks, Tableau, Advanced Excel, Excel VBA, JIRA, Git  
**Programming:** R, Python, SQL, Hadoop, Hive/Impala, PySpark, Unix/Linux, Data Manipulation Programming  
**Databases:** MySQL, Snowflake, Oracle, MongoDB, DynamoDB  
**Cloud:** AWS (Glue, Redshift, S3, Athena, Lambda), Azure (Azure Data Factory, Azure Blob Storage, AKS)

## PROFESSIONAL EXPERIENCE

### Data Specialist - Kaay Labs Inc, United States

June 2024 – Present

- Prepared and optimized datasets for the Gen AI team using **Apache Spark** and **Pandas**, ensuring data was accurately and efficiently integrated into AI applications such as **TensorFlow** and **PyTorch**.
- Designed and deployed a scalable web service architecture that leverages **RESTful APIs** to connect AI models with web applications, providing real-time data processing and response capabilities.

### Data Engineer Intern - Kaay Labs Inc, United States

June 2023 – August 2023

- Implemented efficient ETL pipelines with **Kleaner.AI**, leading to streamlined processing & improved data quality.
- Formulated and maintained ETL processes to integrate **structured** and **unstructured** data from various sources into **NoSQL** data stores, ensuring data integrity and optimal query performance.
- Designed **data models**, leading to a 20% increase in application performance and minimized 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.
- Automated the ingestion and validation of **XML files** into relational databases, ensuring data accuracy.
- 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.

## PROJECTS

### Gender Dynamics and Compensation Analysis | (MySQL, Tableau) | [GitHub](#)

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 | (Alteryx, Power BI) | [GitHub](#)

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 | (Cloudera, Tableau, Python) | [GitHub](#)

May 2023

- Worked on a Truck fleet movement project integrating Hadoop ecosystems, **Hive/Impala** with **Tableau**, and **regression analysis** to boost safety and efficiency in transportation.

### E-Commerce Database Management System | (Data Modeling, MySQL) | [GitHub](#)

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%.

## EDUCATION

**Master of Science, Business Analytics** - The University of Texas at Dallas | GPA 3.83 - Scholar with Distinction

May 2024

**Major** – Data Engineering and Data Analytics

**Bachelor of Engineering, Electronics and Communication Engineering** - Anna University | GPA 3.30

April 2019