

# Priyamvradha Parthasarathi

Dallas, Texas | (469) 465-3992 | [priyamvradha@gmail.com](mailto:priyamvradha@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## CERTIFICATIONS & TECHNICAL SKILLS

**Certifications:** Alteryx Designer Core, AZ - 900 Azure Fundamentals, SQL Fundamentals (ANSI) certified  
**Tools:** Ab Initio, Alteryx, Kleene.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

- Cleaned and transformed raw data using **Pandas** and **SQL** to ensure data quality and integrity, preparing it for downstream **analysis** and **reporting**.
- 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 **Kleene.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.
- Executed **Azure Synapse Analytics** for real-time insights, processing terabytes with 95% accuracy.
- Enhanced data availability and scalability by migrating on-premises **SQL databases** to **Azure SQL Database**, achieving 99.99% uptime, and reducing database management overhead by 30%.

**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%.
- Migrated and enforced data pipelines utilizing **Azure Data Factory** and **Azure Blob Storage**, resulting in a 40% reduction in data processing time and a 20% decrease in storage costs.
- Orchestrated data workloads using **Azure Kubernetes Service**, optimizing resource utilization.
- Automated data ingestion and transformation processes using **Azure Data Factory** and **Azure Databricks**, reducing manual effort by 60% and increasing data accuracy and timeliness.

## PROJECTS

**Tokyo Olympics data pipeline Analysis using Azure | (Data Factory, Databricks, Power BI, Azure) | [GitHub](#)** May 2024

- Built Azure data pipeline for analyzing Olympic data: used **Data Factory** for extraction, **Databricks** for transformation, **Data Lake Gen2** for storage, **Synapse Analytics** for querying, and **Power BI** for visualization.

**Serverless Web Application in AWS | (S3, DynamoDB, Lambda, AWS, HTML) | [GitHub](#)**

May 2024

- Designed a serverless web app on AWS with static file hosting on **S3**, API management via **API Gateway**, **Lambda** for backend processing, and **DynamoDB** for form data storage and monitored resources using **CloudWatch**.

**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