# Ajay Jayaraj

+91-8220937538 | ajaysri2016@gmail.com | www.linkedin.com/in/ajayj2000/ | github.com/AjayAJ2000 | ajayaj2000.github.io/portfolio/

## EDUCATION

Bachelor of Technology | SASTRA UNIVERSITY         **Jun 2018 - Apr 2022**

## SKILLS

**Data Engineering:** Azure Cloud [ Azure Databricks, Azure Data Factory, Azure Data Lake Storage, Azure Blob Storage, Azure Functions, Azure Logic apps], Snowflake, Python, SQL, Apache Spark(Spark SQL, Pyspark)

**Data Analysis:** Root Cause Analysis, Data Warehousing, Data Modelling.

**AI/ML Tools:** Retrieved Augmented Generation, Prompt engineering, AI Engineering.

**Version Control/CI-CD:** GitHub, Git [Git Strategy]

## EXPERIENCE

**ZS Associates**

**Senior Data Engineer**         **Apr 2025 - Present**

- Created an **End-to-End Data & Platform Architecture** using Azure cloud and snowflake for data ingestion and data processing for a critical time constraint project.
- Recognized for **developing scalable and reusable frameworks** that address recurring challenges in data engineering projects cutting down 40% of project turnaround time.
- Took on project management **responsibilities**, including creating business presentations, managing **delivery timelines**, and directly consulting with clients and the onshore team.
- Demonstrated leadership skills by **mentoring and training junior associates**, managing project timelines, coordinating with cross-functional teams, and directly **interfacing with clients** to ensure timely delivery and alignment with business needs.
- Collaborative team player with a strong focus on driving team success through effective communication, attention to detail, and a proactive approach to problem-solving.

**Data Engineer**         **SEP 2022 - Apr 2025**

- Developed and managed **automated data workflows** with Azure Databricks, enabling **validated data ingestion pipelines** from multiple [15+] sources to production environments ensuring scalable, secure data delivery via Azure Data Factory.
- Established and **enforced data governance and security** in Azure Databricks achieving 100% compliance with regulatory standards for PHI/HIPAA data.
- Architected automated data pipelines using Azure Data Factory to **ingest and transform** provider solutions and Pharma data, optimizing Snowflake for seamless processing.
- Programmed **complex and efficient SQL queries** to power dashboards tracking $500M contracts, purchasing behaviors, and rebate metrics, **enhancing transparency and operational efficiency**.

## PROJECTS

**InspiroGene Product - Data & Platform Engineering**

*Client: Fortune 500 Healthcare Provider in the US & Canada*

- **Architected and optimized** the core data pipeline and platform infrastructure powering the InspiroGene product's [**Cell and Gene Therapies**] to track the end-to-end workflow of patients undergoing gene therapy, presenting financial, logistics, and therapy-related data to Pharma customers via analytics dashboard, resulting in a 40% improvement in report generation speed and enabling near real-time insights for key stakeholders
- **Spearheaded data and platform engineering** for InspiroGene, architecting data pipelines and infrastructure for near real-time analytics. Drove performance improvements, ensured scalability, and collaborated across teams for seamless product integration performance for more than 5 service lines.

**Enterprise Financial Planning and Analysis - Data and Gen AI Engineering**

*Client: Fortune 500 Healthcare Provider in the US & Canada*

- Designed and implemented the data infrastructure underpinning 4+ FP&A Data Projects, enabling accurate and timely reporting of critical **financial metrics**. Leveraged **SCDs** and time-based aggregations to provide comprehensive historical analysis and support **strategic decision-making for multiple projects**.
- Engineered a robust document chunking solution utilizing LLMs and Vector Databases, enabling a streamlined search and retrieval process for rebate details from GPO contracts; improved query response efficiency by 40%.

## CERTIFICATIONS

- Microsoft Certified Azure Data Engineer Associate - DP-203
- Databricks Accredited Azure Platform Architect
- Gen AI and LLM on Databricks

## AWARDS and ACHIEVEMENTS

- Lauded within cross-functional teams at ZS as the **'Flawless Finishers'** after implementing refined protocols which increased accuracy on deliverables up to 99%, reflecting superior discipline and focus on achieving industry-leading results throughout all phases of development.

## Hobbies

Blogging, Attending Tech Events