

# GOKULA KRISHNA M

## DATA ENGINEER

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### PROFILE

**Azure Data Engineer** with nearly 2+ years of experience in designing and implementing scalable data solutions on **Azure Cloud platforms**. Skilled in building end-to-end **CI/CD pipelines** using Azure components like **Azure Data Factory, Data Lake Gen2, and Azure Synapse** to address complex business problems. Proficient in developing Spark applications(**Databricks**) with Python and managing ETL processes, including designing, testing, and optimizing workflows. Experienced in providing technical assistance, performing data analysis, and ensuring high-performing, reliable data solutions tailored to business needs.

### TECHNICAL SKILLS

- **Programming Language** : SQL, Python, Pyspark, Pandas
- **Cloud Platforms** : Azure Databricks (ADB), Azure Synapse Analytics , Azure Data Lake Storage Gen2(ADLS)
- **ETL Tool** : Azure Data Factory(ADF)
- **Version Control** : Git

### PROFESSIONAL EXPERIENCE

**Azure Data Engineer** 08/2022 - Present | Chennai  
**Tata Consultancy Services Limited (TCS)**

**Client : Confidential**

**Project Description:**

- Our project focuses on building a Scalable data pipeline to manage and process financial and clinical data for healthcare Providers and insurance companies (Insurer).
- The objective was to integrate **Electronic Medical Records (EMR), Insurance claims data** and **API Calls** (ICD10, NPI Codes, CPT Codes) into a **Common Data Model CDM**.
- The **CDM** enables healthcare providers and insurance companies (Insurer) to perform advanced analytics, improve financial reporting, and optimize the **Revenue Cycle Management RCM** process.

**Tech Stack Used :**

Azure Data Factory ADF, Azure Databricks, Azure Synapse, Azure Data Lake Storage Gen2 (ADLS), Azure SQL Database, PySpark, SQL.

- Ingesting data from multiple sources, including **Azure SQL Database, APIs, and Files**(CSV, Parquet), and processing data into **Azure Data Lake Storage Gen2 (ADLS)** using **Medallion architecture** (Bronze, Silver, Gold layers).
- Implementing data transformations using **Spark SQL** and **PySpark** within **Azure Databricks** ,executing rule-based quality checks, and providing clean, structured data in **Azure Synapse** for financial reporting and Revenue Cycle Management (RCM).
- Automating workflows with **Azure Data Factory (ADF)** and delivering robust pipelines to handle daily ingestions with minimal downtime.
- **Migrating on-premises** ETL processes (SSIS) to **Azure Cloud**, enhancing scalability and operational efficiency.
- Collaborating with **cross-functional teams**, ensuring adherence to quality standards, reviewing ETL components, and aligning solutions with business objectives.

## EDUCATION

### BCA-Computer Applications

Nallamuthu Gounder Mahalingam College, Coimbatore.

Jun 2019 - July 2022

## ADDITIONAL INFORMATION

- **Language Known:** Tamil , English
- **Date of Birth** : 29/09/2001

## CERTIFICATION

- The Complete SQL Bootcamp : [Udemy](#).
- Learn MS SQL Server from Scratch : [Udemy](#).
- SQL Server Integration Services (SSIS) : [Udemy](#).
- Python Data Analysis : [LinkedIn Learning](#)