

Vinoth J

Big-Data Engineer

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GitHub Profile
LinkedIn Profile

To become a part of a competitive organization that provides scope to apply my skills and abilities to improve my knowledge by adding values to the organization.

Portfolio: vinothjv.netlify.app

EDUCATION

- Government College of Engineering, Salem** 2019-23
Bachelor of Engineering in Computer Science and Engineering CGPA: 8.7
- Carmel Hr. Sec. School, Nagercoil** 2019
State Board of Tamilnadu((HSE)) Percentage: 81
- Carmel Hr. Sec. School, Nagercoil** 2017
State Board of Tamilnadu((SSLC)) Percentage: 91

CERTIFICATIONS

- Microsoft Certified: Fabric Data Engineer Associate (DP-700)** (Jun 2025 - Jun 2026)
- Microsoft Certified: Fabric Analytics Engineer Associate (DP-600)** (Dec 2024 - Dec 2025)
- Microsoft Certified: Azure Data Scientist Associate (DP-100)** (Jun 2024 - Jun 2026)

EXPERIENCE

- Big Data Engineer - FullTime** (Aug 2023 - Present)
Saturam Infosystems Private Limited, Bengaluru, Karnataka
 - * Technology: MySQL, PostgreSQL, Azure, ADF, Synapse, Microsoft-Fabric, Python, PySpark, Docker, ETL, Airflow, DBT
- Software Developer - Internship** (Aug 2021 - Sep 2022)
Honeycomb Technologies, Ohio, US
 - * Technology: AngularJs, React, NextJS, Tailwind, Firebase, MongoDB, SQL, Bootstrap.

PROJECTS

- AR/AP (Accounts Receivable and Payable)** (Jan 2025 - Jun 2025)
 - * Built robust dbt models to transform and organize 20+ years of unstructured logistics financial data (handling 1.5 million records/day) into clean, reliable data marts.
 - * Automated Airflow pipelines to orchestrate data workflows, ensuring timely execution of DBT models for reporting and financial analysis.
 - * Developed 360° data marts covering key financial metrics like cash bookings, account transactions, vehicle-wise expenses, and document-level payment tracking.
 - * Supported end-to-end invoice reconciliation processes, providing insights into receivables, payables, and profit margins for better financial decision-making.
- Warranty Analytics** (Oct 2024 - Jan 2025)
 - * Built data pipelines using Apache Airflow to transfer data from MySQL, MSSQL, BigQuery, and APIs.
 - * Implemented custom Airflow Operators and Python scripts to validate warranty data and ensure data integrity.
 - * Built analytical dashboards by aggregating warranty data to identify failure patterns and optimize claims processing.
 - * Deployed Google Cloud Functions and managed Dockerized applications on Google Kubernetes Engine (GKE) using Ansible.

– Database Management

(Jun 2024 - Sep 2024)

- * Integrated multiple structured and unstructured data sources, transformed them into Delta Parquet format, and loaded them into Azure Data Lake.
- * Implemented Medallion Architecture (Bronze, Silver, Gold layers) and Slowly Changing Dimensions (SCD) to manage data quality and track historical changes.
- * Automated data movement workflows using Azure Data Factory (ADF) and monitored system performance with Azure Log Analytics.
- * Designed and optimized star schema models in Azure Synapse Analytics to improve query performance for analytical workloads.

– Data Migration

(Mar 2024 - May 2024)

- * Integrated diverse data sources using Microsoft Fabric and stored the processed data in OneLake for centralized management.
- * Automated data ingestion workflows with Azure Data Factory (ADF), utilizing scheduling for seamless, efficient data movement.
- * Transformed raw data into structured Data Marts using Synapse Notebooks for optimized analytics.
- * Built data models and connected Power BI to visualize insights, implementing Role-Based Access Control (RBAC) for secure, user-specific access.

– Spend Analytics

(Sept 2023 - Feb 2024)

- * Developed a robust Data Platform to provide insights into organizational spend patterns.
- * Designed and built Data Pipelines using Azure Data Factory (ADF) for seamless data transfer from DB2 to PostgreSQL.
- * Implemented Role-Based Access Control (RBAC) to ensure user-specific data access with encrypted data handling via SQLAlchemy for secure management of sensitive data.
- * Integrated Azure Key Vault for secure storage of secrets and enhanced application security.

– E-Commerce Website

(Feb 2023 - Jul 2023)

- * Developed a new web application for the company website using AngularJS and Figma for UI/UX design.
- * Implemented features using TypeScript, ensuring code maintainability and scalability.
- * Integrated Firebase Storage and Authentication to enable secure admin login and data management.
- * Optimized the application for cross-browser compatibility and performance.

TECHNICAL SKILLS

Languages: C/C++, Python, Javascript, TypeScript, SQL, HTML+CSS

Cloud: Azure, GCP

Frameworks: AngularJs, React, NextJS, Tailwind

Databases: MongoDB, Firebase, Relational Database(MySql, PostgreSQL, MSSQL)

Data Engineering Tools : Apache Kafka, Azure, ADF, Synapse, Microsoft-Fabric, PySpark, Docker, ETL, Airflow, DBT, Key Vault, Kubernetes, Bash/Shell Scripting, CI/CD Tools

ACHIEVEMENTS

– Budding Star : 2025

Saturam Infosystems Private Limited

- * Recognized as a "Budding Star" for demonstrating consistent effort, dedication, and excellence in delivering results and driving success in assigned responsibilities.

– Rookie Trophy : 2024

Saturam Infosystems Private Limited

- * Awarded for outstanding performance, significant contributions, and impactful delivery during the first year at Saturam.