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CHINMAI KANALA

PROFESSIONAL SUMMARY

I am a passionate Data Engineer with 2 years of experience turning raw data into meaningful insights. I work with modern tools like Azure Data Factory, Databricks, Azure Synapse Analytics, and the Data Lakehouse to build efficient data pipelines and solutions in the cloud. I love learning and continuously improving my skills to stay up-to-date with the latest in the field.

SKILLS

- SQL
- JAVA
- Microsoft Fabric
- Apache Spark
- Azure Synapse Analytics
- Git
- Microsoft PowerPoint
- Python
- Azure Data Factory
- Azure Databricks
- Data Lake Gen2
- Power BI
- Microsoft Excel

WORK HISTORY

MEMBER TECHNICAL 11/2023 to Current
ADP, Hyderabad, India

- Designed and documented end-to-end data flows between business applications and analytics systems.
- Extracted and transformed data from ERP modules using SQL and API-based interfaces.
- Built dashboards and reports using Power BI/Tableau, requiring ETL logic and data preparation.
- Additionally, built a production-grade marketplace website using Preact.
- Demonstrating strong engineering fundamentals, and contributed to test automation using Selenium, showcasing structured problem-solving, CI/CD awareness, and code quality practices.

EDUCATION

Geethanjali College of Engineering And Technology, Hyderabad
Bachelor in Technology, Computer Science Engineering, 08/2023

CERTIFICATIONS

Oracle Cloud Infrastructure 2025 Generative AI Professional, 1Z0-1127-25, 10/25

AWARDS

Spotlight Award for Results Driven, Recognized as an Outstanding Employee for the July-September quarter, which highlights commitment to achieving results and contributing

positively to the team's overall success and more.

PROJECTS

Azure Data Engineering End-To-End Project

- Designed and implemented a robust data pipeline using Azure Data Factory.
- The process of data integration and transformation with Databricks.
- Utilized Azure Synapse Analytics for efficient data warehousing and analytics.
- Applied best practices for big data processing and real-time data processing with Apache Spark.
- The source is the Adventure Works dataset, fetched from GitHub.

Azure Data Factory Pipeline Implementation

- Designed and implemented **incremental data ingestion** and **back-data refresh** pipelines using Azure Data Factory.
- Integrated **change data capture (CDC)** logic to ingest only updated or newly added records.
- Built ingestion pipelines without relying on **watermarks or stored procedures**, using **JSON-based metadata** for state and configuration management.
- Developed REST API ingestion frameworks with support for **pagination rules**, dynamic URL construction, and parameter handling.
- Implemented **Logic Apps–based alerting** for pipeline failures.
- Configured **ADF triggers** for scheduled and event-based pipeline execution.
- Utilized **ForEach** and **Switch** activities to orchestrate multi-entity ingestion workflows and conditional logic paths.
- Added **data validation activities** to perform quality checks and enforce data completeness before downstream loading.
- Enabled **dynamic mapping** in ADF to support schema evolution and metadata-driven transformations.
- Integrated Azure Data Factory with **GitHub** for version control, collaborative development, and branching workflows.
- Implemented end-to-end **CI/CD pipelines in Azure** using DevOps/GitHub Actions for automated deployment across environments.

Heat Stress Prevention

- Developed a comprehensive project focused on heat stress prevention, utilizing the Internet of Things (IoT) to enhance environmental monitoring.
- Integrated sensors such as DHT11 and BH1750 with an ESP32 microcontroller.
- Created an affordable tool for predicting wet bulb globe temperature.