

SUPRIYA

Mail: Priamarabathina777@gmail.com

Phone: 7619437354

CAREER OBJECTIVE:

Self-motivated, organized, and efficient data engineer and analyst with relevant technology experience and data processing skills. Data-driven and analytical innovator with excellent problem-solving skills, business acumen, and passion for contributing to large-scale data ingestion and research initiatives. Prolific and intuitive collaborator with track record partnering with stakeholders, web developers, and database architects.

PROFESSIONAL EXPERIENCE:

AARMEC TECHNOLOGIES PVT LTD - DATA ENGINEER

May 2023 - Current

Project Title: Anti-Money Laundering (AML) System

Role: Data Engineer

Tools: Azure Data Factory, Azure data bricks, ADLS, Azure key vault

DataBase: SQL Server

Technical Skills: Python, Pyspark

Objective:

Anti-Money Laundering (AML) systems are critical for detecting and preventing money laundering activities. The challenge in developing an effective AML system involves handling vast amounts of transactional data, performing complex data transformations, and ensuring high data quality and security.

Responsibilities:

- Integrate data from various sources, including transaction databases, customer records, and external data feeds, to provide a comprehensive view for AML monitoring.
- Ensure data accuracy, completeness, and consistency across different systems to maintain the integrity of AML analyses.
- Implement and enforce data governance policies to ensure data is handled securely and complies with regulatory requirements.
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- Design and maintain data warehouses or data lakes to store historical and real-time data relevant to AML.
- Prepare data for AML analysts and data scientists by organizing, cleaning, and aggregating data for effective analysis.
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Softtek india pvt ltd – Data Engineer

April 2022 – April 2023

Project Title: Credit Card Fraud Detection System using Azure Services

Role: Data Engineer

Tools: Azure Data Factory, Azure data bricks, ADLS, Azure key vault

DataBase: SQL Server

Technical Skills: Python, Pyspark

Objective:

Credit Card Fraud Detection System using Azure Services is to leverage cloud-based tools and technologies to effectively identify, prevent, and manage fraudulent credit card transactions. By utilizing Azure's suite of services, the system aims to enhance fraud detection capabilities, improve operational efficiency, and reduce false positives.

Responsibilities:

- Design and implement integration strategies for data sources including transaction logs, user profiles, and external threat intelligence feeds using Azure Data Factory
- Implement solutions for collecting, storing, and managing transaction data using Azure Blob Storage, Azure Data Lake Storage.
- Use Azure Data Factory for ETL (Extract, Transform, Load) processes to prepare data for analysis and machine learning.
- Ensure sensitive data is protected using Azure Security Center, Azure Key Vault for encryption key management, and proper access controls.
- Ensure efficient data processing and minimize latency by optimizing ETL processes and data storage solutions.

APPLITECH SOLUTION PRIVATE LIMITED - System Engineer

May 2020 – April 2022

Project Title: Retail Sales Data Pipeline and Analytics with Azure

Role: System Engineer

Tools: Azure Data Factory, Azure data bricks

DataBase: SQL Server

Technical Skills: Python, Pyspark

Objective:

Retail Sales Data Pipeline and Analytics system using Azure is to create a robust, scalable, and efficient framework for collecting, processing, and analyzing retail sales data. This system aims to provide actionable insights that drive business decisions, enhance operational efficiency, and improve customer experiences.

Responsibilities:

- Aggregate data from various sources such as point-of-sale (POS) systems, e-commerce platforms, inventory systems, and customer databases
- Azure Data Factory for ETL (Extract, Transform, Load) processes, Azure Event Hubs for real-time data ingestion, and Azure Logic Apps for integrating with other systems and APIs.
- Enable real-time or near-real-time processing of sales data to provide up-to-date insights and respond promptly to emerging trends.
- Azure Stream Analytics for real-time data stream processing, and Azure Functions for serverless event-driven processing.
- Azure Data Factory for data transformation workflows, and Azure Databricks for advanced data processing and preparation.
- Azure Security Center for threat protection, Azure Key Vault for managing encryption keys, and Azure Policy for enforcing compliance.

EDUCATION:

B. Tech – Electrical and Electronics Engineer (EEE) – **2019**
JNTU College of Engineering, Anantapur

DECLARATION:

I hereby, declare that the above mentioned information is correct up to my knowledge and bear the responsibility for the correctness of the above mentioned particulars.

SUPRIYA

Place: Bangalore

Date: