

Professional Experience

Data Engineer, Fidelity Investments, Boston, USA	(August 2023- Present)
<ul style="list-style-type: none">Optimized a legacy streaming data processing pipeline in Azure Event hub to reduce processing time by 40% optimizing efficiency.Designed and deployed 3+ streaming data processing pipelines leveraging Azure Data Factory for data cataloging and schema evolution, alongside Azure Logic Apps for orchestrating the real-time data processing workflows, facilitating streamlined analysis of streaming data.Utilized Azure Functions, VM, and Event Grid for scheduled data transformations, cutting pipeline run-time by 2 hours weekly.Implemented continuous aggregates in Azure Synapse Analytics to optimize real-time data analysis, with scheduled refresh policies for streaming updates and automated data archival for efficient storage management.	
Data Engineer, TCS, Hyderabad, India.	(February 2022 – August 2022)
<ul style="list-style-type: none">Implemented Azure Database Migration Service (DMS) to migrate financial data incrementally from Oracle database to Azure Cosmos database, reducing dependency on legacy systems by 80% and improving scalability and accessibility of financial data.Utilized Python scripts to extract financial data from REST APIs expanding the scope by 50% and providing deeper insights into market trends and investment opportunities.Developed a suite of management-focused Power BI dashboards offering insights into financial headcount data. Leveraged Azure Data Factory for data cataloging and Azure Functions for orchestration enabling automated ETL pipelines.Implemented Agile methodology, specifically Scrum for project management, resulting in regular collaboration and iteration among cross-functional teams to deliver incremental value to stakeholders.	
Data Engineer/Modeler, Pfizer, Hyderabad, India	(November 2018 –January 2021)
<ul style="list-style-type: none">Developed an ETL data pipeline utilizing Alteryx queries and tools like Azure Data Factory, GitHub, Power BI, and Apache Kafka to automate the HCAHPS dashboard and incorporate 10+ operational KPIs, improving patient satisfaction by 15%.Established a robust data governance framework utilizing Azure Data Catalog, Azure Data Lake Storage, Azure Active Directory(AAD) to enhance data quality and accessibility for R&D initiatives by 25%.Engineered Azure Data Factory-based ETL workflows leveraging Python for advanced data manipulation, leveraging Azure Functions for seamless execution of transformation scripts, yielding actionable insights and achieving a 15% boost in customer satisfaction metrics.Designed and implemented a DataMart using Azure Synapse Analytics and optimized data retrieval with Apache Airflow, achieving a 50% reduction in Tableau reporting turnaround time by automating ETL processes and streamlining data workflow.	
Big Data Intern, Prodapt, Hyderabad, India	(September 2017 –November2018)
<ul style="list-style-type: none">Developed data ingestion workflows using Sqoop to collect and process real-time data from sources including ServiceNow, JIRA improving system monitoring and reducing incident response times by 30%.Assisted in optimizing Hadoop-based data storage solutions, utilizing HDFS and Hive to enhance the efficiency of storing and querying IT service management data resulting in a 20% reduction in processing time for large datasets.Utilized Erwin tool to design data models, reducing database maintenance time by 30% and improving query performance by 20%Collaborated with senior data engineers to design and deploy MapReduce jobs for processing and analyzing large-scale datasets contributing to the generation of actionable insights for improving service delivery and operational efficiency.	

Education

Master of Applied Science - Computer Science	(August 2022 – Dec 2023)
Southeast Missouri State University, Missouri	GPA: - 3.83/4.0
Bachelor of Technology	(August 2014 – May 2018)
VNRVJIET, Hyderabad, India	CGPA: - 8.5/10

Skills

Languages: Python, SQL,HTML,CSS, UNIX Shell Script, Scala
Technical: Machine Learning (supervised and unsupervised learning), Data Visualization, Big Data Analysis.
Cloud Platforms: Azure (Data Factory, Databricks, Logic Apps, Synapse Analytics, ADLS Gen 2) and AWS
Big Data Technologies: Apache Airflow, Apache Kafka, DataStage, Hadoop, Databricks, Apache Beam, SSIS, Databricks.
Tools: Docker, Jenkins, GitHub, Toad, Tableau, PowerBI.
Databases: Terraform, PostgreSQL, SQL server, Airflow, Mongo Db, , IBM DB2 .
Certifications: Azure Data Associate, Azure AI Fundamentals, Azure Fundamentals

Projects

Book Recommendation System
<ul style="list-style-type: none">Developed a Django-based application providing book recommendations using collaborative filtering and content-based filtering, customized to user preferences and search contexts.Utilized BeautifulSoup for scraping Goodreads website, obtaining book summaries and cover images to enrich user experience
Advanced Data Processing Pipeline - MongoDB, Docker, Kafka, and OpenShift
<ul style="list-style-type: none">Architected and deployed a robust and scalable data processing pipeline leveraging OpenShift, Kafka, Docker, and MongoDB.Managed the configuration and deployment of Kafka and MongoDB using OpenShift, ensuring high availability and efficiency.Optimized data ingestion and processing workflows into MongoDB, utilizing MapReduce and the Aggregation Framework for comprehensive data analysis.