

# SACHIN LODDIYA KARTHIK

☎ 517-243-9938 ✉ [sachinlkece@gmail.com](mailto:sachinlkece@gmail.com) in [sachin-lk](#) 🏠 [Kalamazoo, MI](#)

## SUMMARY

Data Engineer with 2+ years of experience in building scalable data pipelines and optimizing data-driven solutions. Skilled in using Azure, Databricks, PySpark, and Power BI to improve performance by up to 75% and drive business growth. Expertise in transforming complex datasets into actionable insights, enhancing user retention and customer adoption by up to 22%. Focused on automation and efficiency to deliver impactful results.

## EDUCATION

### Master of Science in Data Science

Aug 2023 - Apr 2025

Western Michigan University

GPA: 3.84/4.0

**Coursework:** Machine Learning, Big Data Analysis, Applied Linear Models, RDBMS, Azure Databricks and Spark For Data Engineers, R programming for Data Science

### Bachelor of Engineering in Electronics and Communication

Aug 2016 - May 2020

Anna University

**Coursework:** OOPS, Java, C++, Computer Architecture

## EXPERIENCE

### Data Engineer, Accenture

July 2021 - July 2023

*India, Remote*

- Built and optimized ETL pipelines using Azure Data Factory and Databricks, improving data processing efficiency by 40% and accuracy by 25%.
- Designed Power BI dashboards and Azure SQL views, enhancing operational efficiency by 25% and enabling real-time insights for faster decision-making.
- Automated data workflows with CI/CD pipelines in Azure DevOps, increasing team efficiency by 15% and accelerating project delivery by 30%.

### Data Engineer, Claritrics India Pvt Ltd

Nov 2020 - May 2021

*India, Remote*

- Developed an advanced ETL pipeline using Azure Data Factory and Databricks to power an OCR solution, improving text extraction accuracy by 30%.
- Engineered an end-to-end automated workflow for scalable image processing, reducing extraction time by 40% and enhancing efficiency.
- Optimized deployment using Azure Data Factory triggers and Databricks job scheduling, boosting team efficiency by 20% and resulting in a 30% reduction in project turnaround time.

## PROJECTS

### Netflix Data Analytics

Jan 2025 - Feb 2025

- Built an end-to-end data pipeline for Netflix analytics using Azure Data Factory, Databricks, PySpark, and Delta Live Tables, enabling efficient incremental data ingestion and transformation.
- Designed a multi-layered architecture (Bronze, Silver, Gold) with Delta Lake and Azure Synapse, optimizing data processing and query performance for large-scale analytics.
- Developed interactive Power BI dashboards, leveraging structured datasets to provide actionable insights and improve reporting efficiency.

### COVID-19 Data Analysis

Jun 2024 - July 2024

- Architected end-to-end data pipelines in Azure Data Factory (ADF) to process COVID-19 data from various sources, including real-time Kafka streams, establishing a comprehensive analysis foundation.
- Crafted complex data transformations using ADF features, cutting pipeline development time by 25% and enhancing data analysis capabilities through efficient processing of Kafka and other data sources.
- Established a robust CI/CD process with Azure DevOps, employing Kafka for real-time data streaming and ADF for orchestration, reducing release cycle time by 35% and system downtime by 20%, enabling near real-time COVID-19 insights.

## SKILLS AND CERTIFICATIONS

**Data Analysis & Visualization Tools:** SQL Server, MySQL, Oracle SQL, Python (Pandas, NumPy, Scikit-Learn, Matplotlib), Azure, AWS, PySpark, Power BI, Tableau, R, MS-Excel

**Technical Expertise:** ETL Pipelines, Data Wrangling, Feature Engineering, Machine Learning, Big Data (Spark, Kafka, Databricks), Data Processing, Statistical Analysis, Predictive Modeling

**Functional Expertise:** Data Visualization, Metric Tracking, KPI Development, Data Integration, Data Governance, Real-time Data Streaming, Collaboration, Stakeholder Management, Performance Analysis