

# DHARMIK KURLAWALA

Cleveland, Ohio, 44114 (willing to relocate)

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Github - <https://github.com/dharmik212> | Portfolio - <https://dharmik212.github.io/Portfolio/> | +1 2165515599

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## SUMMARY

Microsoft Certified: Fabric Data Engineer Associate with MS in Computer Science and 4+ years of professional experience. Specialized in building scalable Azure-based ETL pipelines and data warehousing solutions with expertise in Databricks, Delta Lake, and cloud-native data architectures. Proven track record of reducing ETL processing time by 70% and enabling real-time analytics.

## SKILLS AND SOFTWARE

**Programming & Technical Skills:** Python, SQL, PySpark, Data Structures & Algorithms, ETL/ELT, Jinja, Data Processing, Data Pipelines, Data Warehousing, Data Ingestion, Transformation, Validation, Data Visualization, Data Modeling, Schema Design.

**Cloud & Data Tools:** Microsoft Azure (Data Factory, Databricks, Delta Lake, Synapse Analytics), Apache Airflow, Snowflake, Power BI, Git, MySQL, DBT, MongoDB, Neo4j, SSMS.

**Soft Skills:** Problem Solver, Leadership, Communication, Team Collaboration, Time Management, Attention to Detail, Knowledge Sharing.

## EXPERIENCE

### *Hudl, Mumbai, India.*

#### Assist Success Analyst – (Data Analytics Engineer)

August 2021 – August 2023

- Established weekly ETL processes using SQL to extract performance data from Redash, systematically cleaning and transforming data for 160+ analysts across 8 teams to generate standardized performance metrics.
- Built performance analytics dashboards to consolidate weekly KPI reports and identify trends, reducing manual reporting by 60%.
- Delivered data-driven insights from weekly performance analysis that identified underperformers and top performers, enabling targeted interventions and achieving 23% team performance improvement.

#### Sports Analyst

August 2019 – August 2021

- Created event data from NCAA game footage across football, basketball, and soccer using Hudl's tagging and tracking systems.
- Implemented data quality validation processes including peer analysis review and consistency checks to ensure accuracy of tagged events.
- Generated analytical reports from processed video and event logs to support data-driven decision-making for coaching staff.

### *Cleveland State University, Cleveland, USA.*

#### Teaching Assistant

May 2024 – December 2025

- Mentored students across 4 advanced courses: Enterprise Database Systems (CIS 611), Data Mining & ML (CIS 660/760), Database Systems (CIS 530), and Data Structures & Algorithms (CIS 265).
- Created curriculum materials and mentored students on SQL optimization, database design, ETL patterns and data engineering concepts.

## PROJECTS

#### Azure-Based Weekly Data Pipeline for an Ohio Based Government Grants Consulting Company

September 2024

- Automated weekly data ingestion pipeline processing 1,000+ records, reducing manual collection time by 70% and enabling real-time downstream job execution via scheduled Azure Databricks notebooks.
- Cleaned, transformed, and loaded data to Monday.com board using dependent Databricks pipelines for end-to-end automation.
- **Technologies:** Microsoft Azure, Azure Databricks, Azure Blob Storage, Python, ETL pipelining, Task scheduling.

#### Azure Based End to End Data Pipeline for NYC Taxi Trips (<https://github.com/dharmik212/End-to-End-Azure-Taxi-Data-Pipeline>)

March 2024

- Developed a data pipeline for NYC Taxi data using ADF, Databricks, and Delta Lake with Medallion Architecture (Bronze, Silver, Gold).
- Optimized query performance by 45% using Delta Lake versioning and time-travel, enabling governance and real-time analytics.
- **Technologies:** Azure Data Factory, Azure Databricks (PySpark), Azure Delta Lake, Azure Blob Storage, Azure Monitor.

#### Real-Time Weather Data Streaming on Azure (<https://github.com/dharmik212/Real-Time-Weather-Data-Streaming-on-Azure>)

August 2025

- Engineered an end-to-end real-time weather data streaming pipeline on Azure, ingesting, processing, and storing live weather data to enable scalable and fast time-series analytics.
- Real-time anomaly detection and alerting with Azure Data Activator, enhancing proactive monitoring and timely incident response.
- **Technologies:** Databricks, Azure Functions, Azure Event Hub, Azure Data Explorer, Microsoft Fabric, Power BI, Azure Data Activator.

## EDUCATION

#### Master's in computer science, Cleveland State University

August 2023 - December 2025

**Course Work:** Database systems, Data mining, Big data, Machine learning, Artificial intelligence, Data Structures and Algorithms.

GPA: 3.97

#### Bachelors in Electronics Engineering, University of Mumbai

October 2016 - March 2019

**Course Work:** Applied Math, OOP, computer communication network, digital system design, digital communication, VLSI Design.

## CERTIFICATIONS

- Microsoft Certified: Fabric Data Engineer Associate
- Complete Guide to Databricks for Data Engineering
- Apache Airflow 3 Fundamentals
- Oracle Data Platform 2025 Certified Foundations Associate
- Introduction to Modern Data Engineering with Snowflake
- Data Engineering with DBT

## REFERENCES

Dr. Sunnie Sun Chung, Professor at Cleveland State University – Worked as her TA for 3 courses.

Email: [s.chung@csuohio.edu](mailto:s.chung@csuohio.edu)

Dr. Tianyun Zhang, Professor at Cleveland State University – Took Artificial Intelligence course under him.

Email: [t.zhang85@csuohio.edu](mailto:t.zhang85@csuohio.edu)

Dr. Jackie Woldering, Professor at Cleveland State University – Worked as her TA for DSA courses.

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