

DHARMIK KURLAWALA

Cleveland, Ohio, 44114 (willing to relocate)

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SUMMARY

Driven computer science student with expertise in cloud platforms, database engineering, algorithms, and problem-solving. Enthusiastic about applying technical skills to practical projects with a strong desire to continuously learn and master emerging technologies.

SKILLS AND SOFTWARE

Programming & Technical Skills: Python, SQL, PySpark, Data Structures & Algorithms, Object-Oriented Programming (OOP), ETL/ELT, Jinja, Data Processing, Data Pipelines, Data Warehousing, Data Ingestion, Transformation, Validation, Data Visualization.

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.

PROJECTS

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

September 2024

- Scheduled an Azure Databricks notebook to pull weekly grants.gov data into Azure Blob Storage and trigger downstream jobs.
- Cleaned, transformed, and pushed to Monday.com board entries via GraphQL using a dependent Databricks pipeline.
- **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).
- Enabled versioning, time-travel, and efficient querying using Delta Lake to support 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. enable scalable and fast time-series analytics.
- A 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.

EXPERIENCE

Cleveland State University, Cleveland, USA.

- **Teaching Assistant – CIS 611 Enterprise Database Systems and Data Warehouse** August 2025 – Present
Support students with advanced database concepts, data warehousing, OLAP, NoSQL integration, and Parallel Data Warehouse.
- **Teaching Assistant – CIS 660/760 Data Mining and Machine Learning** August 2025 – Present
Guide students on concepts like feature engineering and model evaluation, supervised/unsupervised learning, ANN, CNN.
- **Teaching Assistant – CIS 530 Database Systems and Processing** January 2025 – August 2025
Guided students in writing SQL queries, designing normalized relational databases, and indexing and query optimization techniques.
- **Teaching Assistant – CIS 265 Data Structures and Algorithms** May 2024 – July 2024
Guided students on DSA concepts including recursion, sorting algorithms, graph theory and dynamic programming.

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 using Excel to consolidate weekly KPI reports and identify performance trends, reducing manual reporting effort 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.

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

Learning Microsoft Fabric

Complete Guide to Databricks for Data Engineering

Oracle Data Platform 2025 Certified Foundations Associate

Introduction to Modern Data Engineering with Snowflake

REFERENCES

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

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