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, DBT, 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, MongoDB, Neo4j, SSMS.

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

PROJECTS

Azure-Based Weekly Grant Data Pipeline for Ohio 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   January 2022 – August 2023
- Analyzed performance data for ~160 analysts across 8 teams using SQL queries on Redash. Built a semi-automated performance tracking system, reducing manual reporting by 60%.
- Created weekly dashboards to identify underperformers and high performers, driving data-driven decision-making.
- Delivered insights to team leads that led to targeted interventions and a 23% performance improvement over 3 months.

Trainer & R&D Analyst   August 2020 - December 2021
- Tested internal tools for usability and reported detailed product feedback to R&D for iterative improvements.
- Designed onboarding content and trained 30+ new analysts on tools, workflows, and quality benchmarks.

Sports Analyst   August 2019 – August 2020
- Analyzed NCAA game footage across football, basketball, and soccer using Hudl's tagging tools.
- Generated data-driven reports from video and event logs to support coach strategies and decisions.

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   Oracle Data Platform 2025 Certified Foundations Associate
Complete Guide to Databricks for Data Engineering   Introduction to Modern Data Engineering with Snowflake

REFERENCES

Dr. Sunnie Sun Chung, Professor at Cleveland State University – Worked as her TA for 3 courses.   Email: s.chung@csuohio.edu