

# Hritika Doshi

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## EDUCATION

**Master's in Computer Information Systems**, Boston University, Boston, USA

August 2023 - December 2024

Relevant Coursework: Data Analytics and Visualization, Data Mining, Web Mining and Analytics, Database Design

**Bachelor's in Computer Science and Business Systems**, NMIMS, Mumbai, IN

July 2019 - May 2023

## WORK EXPERIENCE

### Data Qubi

*Analytics Engineer Intern*

Atlanta, USA

June 2025 – October 2025

- Automated inventory query resolutions by creating an **AI-powered chatbot using Azure OpenAI and Lang Chain**, diminishing manual report requests by 60% and empowering 24/7 data access to internal stakeholders.
- Designed and executed scalable **ETL pipelines with Azure Data Factory** and Microsoft Fabric to integrate APIs and third-party systems. Streamlined 5TB+ of structured and unstructured data into a centralized Lakehouse using One Lake.
- Architected and fine-tuned **Delta Lake tables and Power BI semantic models** using **star schema standards**, scaling to 20+ enterprise dashboards; cut query latency by **25%** and improved decision-making speed and accuracy across business units.

### Boston University

*IT Support Specialist*

Boston, USA

August 2024 – December 2024

- Applied root cause analysis on recurring issues, improving system stability by **20%** and reducing escalations.
- Built knowledge bases and playbooks for IT incidents, reducing troubleshooting time by **30%** and improving team efficiency.
- Analyzed performance metrics with cross-functional teams, supporting capacity planning and lowering downtime risk by **15%**.

### Radical AI

*Data Engineer Intern*

New York, USA

June 2024 - August 2024

- Engineered data pipelines using Snowflake and Databricks for EdTech chatbot, processing **50,000+ student interactions**.
- Identified top 3 pipeline failure causes through **SQL log analysis**, reducing latency by **15%** and improving stability.
- Integrated 4+ **ETL workflows**, accelerating model training by **25%** and enabling real-time AI-driven learning enhancements.

### Mehta Group

*Data Analyst*

Mumbai, IN

July 2022 – July 2023

- Engineered data pipelines and transformation workflows to analyze **rental yields, absorption trends, capital appreciation** across **25+ regions**, delivering high-value investment strategies and enabling faster, data-driven market entry decisions.
- Developed SQL queries and data pipelines to aggregate and transform real estate market data from 7 distinct sources, influencing data-driven strategies for new developments, and improving data accessibility.
- Designed and deployed **geospatial dashboards in GIS and Power BI**, integrating historical sales, demographic trends, and infrastructure datasets into **scalable data models and executive-level reports** for strategic decision-making.
- Created **zonal heatmaps and advanced spatial analytics** solutions, collaborating with product and engineering teams to improve site selection efficiency by **35%** and accelerating go/no-go development decisions.

### Muljibhai Mehta International School

*Data Analyst*

Mumbai, IN

May 2021 – May 2022

- Developed robust **ETL pipelines** to integrate multi-source engagement data from **Google Meet, assignments, and Forms**, enabling predictive student success models, enhancing early intervention strategies, and improving overall participation by **25%**.
- Created interactive, real-time **academic performance dashboards** in **Looker Studio**, monitoring **20+ subjects** and reducing syllabus oversights by **35%**, while also improving reporting accuracy and efficiency by **20%** for teachers and administrators.
- Automated recurring **weekly reporting workflows** for **300+ students** using **Python, SQL, and Google Apps Script**, eliminating repetitive manual tasks by **80%** and ensuring timely, consistent parent-teacher communication across all grade levels.
- Partnered with school leadership to architect and implement **cloud-ready analytics systems** with **100% reporting uptime**, enabling scalable, data-driven decision-making across curriculum planning institutional performance.

## PROJECTS

### Azure Data Engineering Pipeline | Azure Data Factory, Databricks, ADLS Gen2, DBT, SQL Server

- Orchestrated a secure Azure pipeline with ADF, Databricks, and DBT, boosting ETL efficiency and reducing query time by 25%.

### Aircraft Predictive Maintenance Model | AWS Redshift, Apache Nifi, Airflow, Logistic Regression, RNNs, LSTM

- Controlled real-time predictive maintenance system using NiFi, Redshift, and Airflow with 98% accuracy, reducing downtime.

### Sign Language Recognition Model | YOLO, Python, OpenCV, TensorFlow

- Deployed a YOLO sign language pipeline with Python/TensorFlow, achieving 98% text translation accuracy for accessibility.

## SKILLS

Technical Skills: Python, SQL (PostgreSQL, MySQL), R, ETL, Airflow, Azure Data Factory, DBT, Spark, Kafka, Databricks, Snowflake  
Tools & Platforms: Power BI, Tableau, TensorFlow, Microsoft SQL Server, Azure, AWS (S3, Redshift, Lambda), GCP, MLflow

## CERTIFICATIONS

AWS Certified Solutions Architect (Mar 2025), AWS Data Engineer Associate (Feb 2025), AWS Cloud Practitioner Essentials (Sep 2024)