

RAHIL MEHTA

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EDUCATION

Adani Institute of Infrastructure Engineering

Bachelor of Engineering in Information and Communication Technology; CGPA: 8.94/10

Ahmedabad, Gujarat, India

August 2019 – June 2023

EXPERIENCE

Data Engineer

Augmented Systems LLP

June 2023 – Present

Ahmedabad, Gujarat, India

- Led the RealAssetData platform processing 10M+ records from 8 U.S. government datasets (FHA, USDA, Ginnie Mae), improving data accuracy from 65% to 90% and reducing query response time by 40% (from 15s to 9s)
- Automated 25+ ETL workflows using Azure Data Factory and Python, achieving a 95% reduction in manual intervention (saving 120+ hours/month) and processing 500GB+ of data daily into MS SQL Server
- Engineered a Selenium automation framework handling 50K+ insurance form submissions monthly with 95% accuracy, reducing manual QA time by 70% (from 10 hours to 3 hours per batch) across 100+ test cases
- Led 30+ stakeholder meetings and coordinated a 5-member cross-functional team, delivering 12 data solutions that increased operational efficiency by 35% while mentoring 3 junior developers

Data Science Intern

Data Science Wizards

November 2022 – June 2023

Mumbai, India (Remote)

- Implemented transfer learning models achieving 88% accuracy for document classification across 10K+ documents and built 3 Flask-based web applications serving 50+ daily users for model predictions
- Processed and cleaned 2M+ records for the Aadhaar masking and Canara-HSBC projects, reducing data preprocessing time by 60% through automated Python and R pipelines

PROJECTS

Snowflake + dbt with Airflow (Astronomer) - dbt, Snowflake, Apache Airflow, Docker, Cosmos, Python

- Orchestrated 15+ dbt models processing 1M+ records daily in Snowflake using Apache Airflow, reducing data transformation time by 50% through automated scheduling and dependency management
- Containerized the development environment with Docker, enabling 5x faster setup time for new developers and ensuring consistent deployment across 3 environments

To-Do List Web Application - FastAPI, PostgreSQL, SQLAlchemy, Pydantic, REST API, JavaScript

- Built a full-stack application with a FastAPI backend and PostgreSQL database, implementing RESTful CRUD endpoints for task management with a responsive HTML/JavaScript frontend
- Utilized SQLAlchemy ORM and Pydantic for data validation with a modular architecture for maintainability and scalability

Transfer Learning Document Classifier - Python, TensorFlow, Flask, Computer Vision

- Developed a document classification system using transfer learning with pretrained models, achieving 88% accuracy across 10K+ documents for financial and government records
- Built a Flask web application for real-time predictions with an interactive dashboard, serving 50+ daily users for model evaluation and testing

TECHNICAL SKILLS

Languages: Python, SQL, R, JavaScript, HTML/CSS

Big Data & ETL: Apache Spark, PySpark, Apache Airflow, dbt, Azure Data Factory, Snowflake

Databases: MS SQL Server, PostgreSQL, MySQL

Cloud & DevOps: Microsoft Azure, Docker, Azure DevOps, Git, CI/CD Pipelines

Frameworks & Tools: FastAPI, Flask, Selenium, Pytest, SQLAlchemy, Pydantic, Power BI

CERTIFICATIONS

Databricks: Fundamentals, Developing Applications with Apache Spark, Introduction to Apache Spark

Microsoft: Azure Fundamentals, Business Analytics Fundamentals | **Solearn:** SQL Fundamentals