

Raj Sarode

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EDUCATION

Northeastern University , Boston, MA <i>Master of Science in Information Systems - Concentration in Data Engineering</i> Relevant Coursework: Designing Data Architecture for Business Intelligence, Data Management and Database Design	Sep 2022 – May 2024 GPA: 3.84/4.0
University of Mumbai , Mumbai, India <i>Bachelor of Engineering in Computer Engineering</i> Relevant Coursework: Data Warehouse and Mining, Big Data Analytics, Database Management Systems	Aug 2018 – May 2022 GPA: 3.5/4.0

PROFESSIONAL EXPERIENCE

CREWASIS Brooklyn, New York Business Analyst Intern	Jul 2024 – Present
<ul style="list-style-type: none">Improved analysis efficiency by 20% by scraping and visualizing insights from textual data of 50+ consumer brands using PythonGenerated clusters to analyze relationships in textual data from various brands, improving accuracy by 60% using LSI with PythonStreamlined data retrieval time by 30% by optimizing database management with MySQL and SQL Server for quicker data accessDeveloped reports in Power BI for communicating monthly status to the stakeholders and reduced the turnaround time by 15%	
Utsavi Trading Co. Mumbai, India Data Engineer Intern	Feb 2022 – Jul 2022
<ul style="list-style-type: none">Employed SQL and Python for advanced querying and data cleansing, achieving a significant reduction in data discrepanciesOptimized data processing with SQL Server to boost accuracy in financial reporting, revealing 20% more cost-saving opportunitiesStreamlined ETL workflows and improved risk analysis efficiency for pharmaceutical clients using Alteryx, resulting in a 15% revenue growth and a 60% reduction in manual operationsAutomated monthly reporting with advanced Excel (VLOOKUP, Pivot tables), reducing data compilation and analysis time by 40%Engineered a dynamic inventory dashboard with Tableau, reducing overstock by 50% and optimizing warehouse space by 10%	
Data Operations Intern	May 2021 – Aug 2021
<ul style="list-style-type: none">Analyzed data for pharmaceutical clients with 1M+ monthly active users using Python and SQL, using the insights to guide sales and distribution strategies, which increased company revenue by 20%Integrated 10K records from multiple sources using Excel VLOOKUP and leveraged Pivot Tables for sales trend analysisModified SQL queries in Azure Data Studio for data retrieval of 1M+ records, reducing overall data transformation time by 40%Spearheaded data modeling and validation of 1M+ healthcare records, executing ETL using SQL and Alteryx to integrate dataImplemented Power BI dashboards for shipping, promotion, revenue analysis, enabling data insights driving a 35% sales upliftExamined KPIs and generated Power BI reports leveraging DAX, boosting product performance by 10% across different channels	

PROJECTS

IMDB Project (Hadoop, MS SQL, Talend, Alteryx, Tableau)	Jan 2024 – Mar 2024
<ul style="list-style-type: none">Designed IMDB data warehouse model using ER studio; created a schema of DW model in MS SQL for loading dataIntegrated, cleaned, mapped, and loaded around 30 million records in IMDB data warehouse using AlteryxAnalyzed data by writing complex queries, performed data profiling, developed visualizations, and dashboards on Tableau	
Open Weather Cloud Analytics (AWS, Snowflake, Python, Sreamlit)	Sep 2023 – Dec 2023
<ul style="list-style-type: none">Built a Python/AWS ETL pipeline hosted on EC2 to ingest data from 100+ US cities scraped from weather API into SnowflakeIllustrated data visualizations to identify relationships between AQI, temperature, and humidity using matplotlib, seaborn, plotlyFormulated an interactive Streamlit application to analyze relationships between climatic factors impacting major cities	
Collision Scope: NYC Traffic Dynamics (SQL, BigQuery, Azure Data Studio, Talend, Power BI, Tableau)	Feb 2023 – May 2023
<ul style="list-style-type: none">Extracted NYC-MVC data from BigQuery and ingested in Azure Data Studio for data validation and cleaning utilizing SQLPerformed data integration through Alteryx ETL processes, resulting in successful ingestion into the data modelGenerated advanced dashboards in Tableau and Power BI for NYC traffic, focusing on collision trends in high-risk areas	

SKILLS

Programming	Python, SQL, R, JavaScript
Database Systems	MySQL, PostgreSQL, Microsoft SQL Server, BigQuery
Visualization Tools	Tableau, Microsoft Power BI, SSRS, MS Excel, Matplotlib, Seaborn
Big Data	Alteryx, Talend Open Studio, DBT, ER Studio
Cloud Services	Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP)
Certifications	AWS Certified Cloud Practitioner, Google Analytics, Alteryx Designer Core

LEADERSHIP EXPERIENCE AND RECOGNITIONS

• DATA Club - Active Member	Sep 2022 – Present
• Computer Society of India - Treasurer	Jul 2021 – June 2022