

ASHISH KUSHWAHA

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WORK EXPERIENCE

Senior Business Intelligence Analyst, R1RCM, Gurugram, India

February 2021 - July 2023

- Designed and developed complex **ETL mappings** and reusable transformations using the **SSIS package and SQL queries**, ensuring efficient data integration processes.
- Managed SQL Server databases by creating and maintaining tables, **stored procedures, views, functions, and triggers** for optimized data manipulation.
- Analyzed and interpreted large datasets to identify **trends, patterns, and anomalies** related to revenue cycle performance, such as billing discrepancies, reimbursement delays, and claim denials.
- Developed and designed **reports, dashboards, and visualizations in Tableau and Power BI** to monitor key revenue cycle metrics, including accounts receivable (AR) days, net collection rates, and denial rates.
- Worked with SSIS tasks and transformations such as derived column, lookup, merge join, and conditional split, ensuring smooth data flow and transformation within packages.

Data Analyst, GlobalLogic, Gurugram, India

January 2019 - February 2021

- Conducted **ad-hoc data analysis** and produced comprehensive reports using **SQL and Excel**, employing **PivotTables**, advanced formulas, and **dynamic charts** to meet specific project requirements.
- Appointed as Subject Matter Expert within a year, I **led a team of 12, managing and implementing key process changes for the project** with support from a Quality Analyst.

EDUCATION

Syracuse University, Syracuse, NY

January 2024 – December 2025

Master of Science in Applied Data Science | GPA: 3.7 / 4.0

- DBMS (SQL) | Introduction to Data Science (R) | Quant Reasoning Data Science (Statistics) | Applied Machine Learning (Python) | Financial Analytics (R) | Business Analytics (Excel, Tableau, Power BI) | Visual Analytics Dashboards (Tableau) | Data Analysis & Decision Making | Lean Six Sigma | Data Warehousing | Big Data Analytics

Maulana Azad National Institute of Technology, Bhopal, India

July 2014 - May 2018

Bachelor of Technology in Electronics and Communication

SKILLS

Programming & Analysis: Python, R, SQL, PySpark | ML: Regression, ANOVA, Clustering, Forecasting, Decision Trees | BI & Data: Tableau, Power BI, dbt, Snowflake | Excel: Pivot, Solver, Power Query | Databases: MS SQL, MySQL, Access

ACADEMIC PROJECTS

Energy Consumption Prediction | RStudio, Visualization, Statistical Analysis, Machine Learning January 2024 - April 2024

- Analyzed extensive datasets from 5,000 homes across 50 counties using R, incorporating static house information, hourly energy usage, and weather data. Developed Linear Regression model that forecasted a 47.76% rise in July energy consumption under current conditions, highlighting the urgency of adaptive strategies.

Crash Severity Analysis | Python, SQL, Machine Learning

October 2024 - December 2024

- Analyzed over 9 million data points using Python and XGBoost, focusing on vehicle characteristics, driver behavior, and crash specifics to predict crash severity. Improved model performance with XGBoost, achieving up to 87.54% accuracy and 0.8759 F1 score, guiding targeted traffic safety policies and insurance adjustments.

Hotel-Apartment Database Management System | DBMS, SQL, PowerApps

January 2024 - April 2024

- Designed and implemented a comprehensive Database Management System (DBMS) to enhance operational efficiency for a 3-star hotel. Integrated solutions for guest tracking, booking, and staff assignments using SQL and conceptual data models, significantly improving data handling and service customization.