

FAZAL HYDER SHAIK

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SUMMARY

Highly committed, self-motivated individual who is team oriented, skilled in communicating data-driven insights through written and verbal communication for decision making. Demonstrates leadership skills, problem solving skills, strong work ethics, critical thinking, and ability prioritize multiple tasks to work in fast-paced environment.

EXPERIENCE

Data Quality Analyst

TrueRx Health Strategists

Jul 2024 – Present

- Used SQL and Python to clean medical claims and health data, **achieving 99% data accuracy** and improving data reliability in the transformed adjudication claims data set in Azure Data Studios.
- Lead the **data governance policies across organization** and established metrics and regulations for data quality and acted **as subject matter expert for the data governance, metadata and quality metrics of data**.
- Developed data quality rules in AWS Glue to identify and flag data quality issues in claims and financial data that were incorrectly charged to the firm. This resulted in **cost savings of up to \$30,000 per month**.
- Led the initiative to build the data dictionary and data catalog** for the database in collaboration with cross-functional teams.
- Conducted data quality audits using SQL, identifying and resolving various data quality issues to **ensure and maintain data integrity by developing various data quality KPIs**.

Data Science and Machine Learning Intern

REGex Software Services

Jan 2024 – May 2024

- Achieved 77% accuracy in predicting hospital readmissions** using logistic regression, random forests, k-means clustering and Bayesian methods, and neural networks on Diabetes Dataset from healthcare data source, reducing readmissions by 15%.
- Improved model **performance by 10% through advanced feature engineering** and PCA for dimensionality reduction and SMOTE-TOMEK for sampling the minority class.
- Created a generative LLM** integrating Chat GPT & a web page using HTML/CSS/JS which would predict patient readmission and advise precautions to be taken to avoid patient readmission using coefficient of variables. which significantly **reduced readmissions up to 30%**.

EDUCATION

Mercer University

Atlanta, GA

Master of science, Business Analytics

Jan 2023 - May 2024

- Courses: Data Mining, Data Visualization (Tableau, Power BI), Advanced Statistics (R studio, Python, SQL), Data-Driven insights, Management Analytics, Marketing Analytics, and Financial Analytics.

JNTUH

Hyderabad, TG

Bachelor of Technology, Computer Science Engineering

Jul 2018 - Aug 2022

- Courses: C programming, C++, Java, Machine Learning Algorithms, Data Science, Data Mining, Cloud Computing, Database Management (SQL), Data Structures, SDLC etc.

SKILLS

Competencies: Data Modeling, Hypothesis Testing, Data Consistency, Data Mining, Advanced Statistical Analysis, Data Management, Predictive Models, Model Evaluation, Data Analysis & Reporting, NLP, Data Collection, Mathematical Optimization, ETL, Data Reporting, Data Quality, Data Governance, and Data Visualization.

Programming Languages: Python, R Programming, SQL, Java, C, C++, HTML, Linux.

Tools/Frameworks: PyCharm, Anaconda, PySpark, Google Collab, CPLEX, VS Code, AWS, Azure Databricks, Azure AI/ML studios, ServiceNow, Pandas, PowerBI, MS Office Suite, GitHub, CICD, SAS, VBA, JIRA, SSRS.