

AASHRITHA KULKARNI

+1-4798661999

kulkarniaashritha18@gmail.com

aashritha-kulkarni

kulkarniaashritha

EDUCATION

University of North Texas

Master's in Data Science - **CGPA - 3.8**

Aug 2022 – May 2024

Denton, USA

Guru Nanak Institutions Technical Campus

Bachelor's in Electronics and Communication Engineering - **CGPA - 6.8**

Aug 2015 – Jul 2019

Hyderabad, India

TECHNICAL SKILLS

Languages:	Python, C, R, SQL
Version Control:	GIT, JIRA
OLAP Tools:	SAS, PowerBI
Operating Systems:	GIT, JIRA
Database:	MySQL, SQL server
Big Data Tools:	Hadoop, ETL, Kafka, Tableau
Cloud Service:	GCP, AWS, Azure

EXPERIENCE

Magnaquest Technologies

Software Engineer

Hyderabad, India

Jan 2019 - Mar 2022

- Proficiently wrote **SQL** scripts for creating, truncating, dropping, altering tables to store the data.
- Developed tools using **Tableau** to enable clients, internal and external teams to visualize data insights.
- Executed and automated **SQL server** version upgrades and installed patch for efficiency.
- Collaborated with product, core teams, and clients to meet data needs through product development, enhancing client satisfaction by 20%.
- Leveraged **pandas, NumPy, matplotlib, Scikit-learn in python** for development and implementation.
- Produced **Tableau visuals**, boosting data representation and driving a 30% increase in data-driven insights.
- Proficient in **SQL**, including **stored procedures, Functions, Triggers, Views, and packages**.
- Experience in **GCP**, Big query, GCS bucket, BQ command lines utilities.
- Implemented query and script performance tuning for optimal **database** functioning, achieving a 10% data efficiency improvement.
- Offered post production user support, resolving an average of 20 user inquiries per week. Resulting 95% user satisfaction.
- Facilitated data review with development and QA teams, reducing project timelines by 15%.
- Utilized **Python and SQL** to analyze large datasets, driving strategic decision-making and improving operational efficiency by 10%.

PROJECTS

Data Modeling for FIFA World cup 2022

- Applied Crow's Foot Notation to obtain an Entity Relationship Diagram (ERD) that shows the FIFA World Cup 2022 dataset's structure. Created tables in **SQL** and filled them with pertinent data to implement the data model.
- Improved data quality by 15% through handling 'Null' entries and calculating averages of duplicate values. Extracted insightful data and prepared simple reports using **SQL joins**.

Netflix TV Shows Analysis

- Collected a dataset of Netflix TV programs for this project. **Google Cloud Storage** arranged and stored the data, creating a bucket for effective management.
- Processed dataset using **GCP SQL** for valuable insights, enhancing interpret ability by 30% with Tableau visuals.

Data Analysis and Modeling for Profit Optimization

- Addressed outliers and missing values in the dataset through exploratory data analysis (EDA).
- Debugged **Random Forest, Multi-layer Perceptron, and K-Nearest Neighbors (KNN)** models for **data modeling**. Deployed the top-performing model, resulting in a 10% profit increase.