Soham Rane

214-538-1245, rane.y.soham@gmail.com, Plano TX 75025, www.linkedin.com/in/syrane

EDUCATION

Bachelor of Science - Data Science	May 2025
University of Texas at Dallas - Richardson, TX	**GPA: 3.73**

Technical Skills

Tools/Technology: Python, SQL , R, Java, C++, Flutter, Dart, Microsoft Excel & PowerPoint
Certifications: AWS Cloud Practitioner (in process)
Analytics: Tableau, Tableau Prep, PowerBI

Work Experience

Data Visualization Analyst   **August 2023 - Present**
UTD Deans Office of School of Natural Sciences & Math (NSM), Richardson Tx
- Developed several interactive dashboards in Tableau resulting in easier interpretation of the current student body data to help the dean and the NSM faculty in their decision making.
- Created a Python script using (Pandas and NumPy) libraries and used Tableau Prep for data cleaning.
- Integrated data from multiple spreadsheets, to provide insightful visualizations.
- Implemented data visualization strategies to cater to the needs of NSM faculty members.
- Created charts: sunburst, gauge, donut, symbol and filled maps, pie, bar.

Data Analytics Intern   **June 2022 - August 2022**
UT Dallas Computer Science Outreach, Richardson Tx
- Proficiently analyzed datasets, using SQL querying techniques and creating visualizations.
- Used Tableau to design and develop informative dashboards and reports, resulting in improved data-driven decision-making for multiple datasets.
- Improved data processing and cleansing, ensuring data accuracy and integrity using Python.

Data Science Intern   **August 2021 - December 2021**
Tech Mahindra Americas Inc, Plano Tx
- Used Python libraries (pandas, numpy, fuzzywuzzy, matplotlib) to improve an POC algorithm to fix and match user inputted home addresses to an ISP's database resulting in a more efficient algorithm.
- Used Excel to house all the data and generate detailed reports and visualizations
- Used geocoding concepts to check if home address exists

Academic Project Experience

Wine Dataset Project   **August 2023 - December 2023**
- Collaborated in a team of 3 to develop a wine density prediction model using multivariable linear regression in R
- Applied model selection techniques, resulting in a 2% enhancement(.96 to .98) in the R^2 goodness-of-fit measure.
- Employed statistical methods to remove influential points and increase the reliability of the predictive model.

Exploratory Netflix Data Analysis   **January 2022 - May 2022**
- Used R to conduct in-depth analysis of movie and TV-show trends spanning the past two decades and report findings comprehensively.
- Employed advanced data visualization tools: ggplot2, ggmap, and stringr, to visualize these trends.

Relevant Coursework

Statistical Linear Regression (STAT 4355), Data Structures and Algorithms (CS), OOP(CS 2337), Multivariable Calculus Math(2415), Linear Algebra(Math 2418)

Leadership Experience

UTD Student Ambassador for School of Natural Sciences & Math   **August 2023 - Present**
- Served as a Student Ambassador, connecting the university with prospective students, families.
- Effectively communicated the university's mission and culture to diverse audiences.
- Developed strong public speaking skills as I was collaborating across various departments.
- Contributed to increase university visibility by participating in outreach and recruitment events.

UTD Orientation Leader   **March 2023 – August 2023**
- Served as a Student Ambassador, connecting the university with prospective students, families.
- Effectively communicated the university's mission and culture to diverse audiences.
- Developed strong public speaking skills as I was addressing large audiences