**Soham Rane**

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**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