

TANISHQ D. KAUSHIK

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EDUCATION

University of Maryland, College of Information Studies

Master of Science (M.S.), Information Management (Data Science Specialization) (GPA: 3.8/4.0)

Bachelor of Science (B.S.), Information Science (Data Science Specialization), Minor: Statistics,

Dean's List for 3 semesters

College Park, MD

May 2023

May 2021

TECHNICAL SKILLS

- **Data Science:** Python (NumPy, pandas, scikit-learn, Requests, BeautifulSoup), SAS, R
- **Programming Languages:** Python, Java
- **Database Management:** MySQL, Amazon RDS
- **Cloud Computing:** Microsoft Azure
- **Data Visualization:** Tableau, Power BI, AWS QuickSight

TECHNICAL EXPERIENCE

START Database Consulting Internship

Jan. 2023 – May 2023

- Designed and developed a relational database using SQL for efficient storage and retrieval of information from Big Data Excel Sheet.
- Drafted an Entity Relation Diagram (ERD) schema and normalized the database to the third normal form.
- Transformed the data into tables using Python scripts and uploaded tables onto Amazon RDS using insertion scripts, allowing users such as academic researchers, government agencies, and the public to search for and access documents related to terrorism using keyword variables, thus filling the knowledge gap, and reducing redundancy in research.

NASA Database Design and Modeling Project in SQL

Feb. 2022– May 2022

- Managed a team of 4 students to design and analyze a database of all NASA astronauts using complex querying.
- Identified correlations between mission variables such as astronaut group, alma mater, number of spacewalks, time spent in space, missions, military rank, and branch using complex querying and analytics.
- Normalized initial datasets and created an ERD showing relationships between entities associated with mission variables.

Statistical Analysis of BRFSS Data using R ([View Full Project](#))

Jan. 2023 – May 2023

- Analyzed data from the Behavioral Risk Factor Surveillance System Survey (BRFSS) to explore differences in physical health between males and females.
- Utilized a 2010 survey dataset with 3260 observations and key variables, including "PHYSHLTH" (Number of Days Physical Health Was Not Good) and "SEX."
- Recoded "Don't Know/Not Sure," "Refused," and "None" values in "PHYSHLTH" to NA.
- Examined data distribution through summary statistics and data visualization, revealing differences in median physical health days between genders.
- Conducted a one-tailed Wilcoxon test, resulting in a p-value of 0.1725, failing to reject the null hypothesis.
- Concluded that there's no statistically significant evidence indicating greater physical health differences between males and females.

PROFESSIONAL EXPERIENCE

University of Maryland – Community Assistant

Jan. 2018 – May 2021

- Assisted on-campus students regarding their housing and miscellaneous needs to promote an improved living experience.
- Managed the data entry and data quality of a sensitive database containing data on approximately 600 students.
- Utilized conflict resolution techniques to deescalate problems with both students and parents on campus.

University of Maryland – Head Teaching Assistant for INST326 (*OOP For Information Science*)

Aug. 2022 – May 2023

- Managed a team of 4 TAs on behalf of the professor.
- Taught Object-Oriented Programming concepts, principles, and methods.
- Taught how to design, program, test, and debug python applications to approximately 60 students.

University of Maryland – Graduate Teaching Assistant for INST414 (*Data Science Techniques*)

Aug. 2021 – May 2022

- Covered the complete Analytical funnel from data extraction and cleansing to data analysis, insight interpretation and visualization.
- Taught NLP concepts and a variety of linear and non-linear classification methods.
- Graded class assignments, discussions, and hosted internal Kaggle competition among students to provide practical application of data science methods.
- Held office hours for approximately 40 students and helped with data science projects.