Manasi Todankar

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EDUCATION

Syracuse University, School of Information Studies **|** Syracuse, NY   **May 2023**
M.S. in Information Management, Certificate of Advanced Study in Data Science   **CGPA: 3.93/4.0**
Courses: Data Analysis and Decision Making, Scripting for Data Analysis, Data Administration Concepts and Database Management, Information Visualization, Information System Analysis, Managing Information System Projects.

University of Mumbai, Universal College of Engineering **|** Mumbai, India   **Jul 2021**
B.Eng. in Computer Science   **CGPA: 8.43/10.0**
Courses: Data Structures, Database Management System, Data Warehouse and Mining, Machine Learning, Analysis of Algorithms, Natural Language Processing, Digital Business Management, Web Design, Human Computer Interaction.

WORK EXPERIENCE

Business Data Analyst | ProHealth Group Inc | *Power BI, SQL, DAX, Trello*   **Jun 2022 - Apr 2023**
- Developed executive-level Power BI dashboards, presenting KPIs and trends related to operational characteristics of Home Health and Hospice, resulting in a 10% increase in efficiency.
- Conducted in-depth analysis of key revenue spending areas to drive revenue optimization and minimize operating costs, leading up to a 7% weekly savings for the company.
- Identified and addressed incomplete discharge goals for patients, thus increasing the patient recertification rate by 12%, ensuring comprehensive care and optimal outcomes.
- Streamlined complex dashboards by optimizing layout, navigation, and data organization, resulting in a 70% increase in user engagement and improved user satisfaction.
- Created customized views using SSMS, extracted and transformed data from complex database tables with efficiency and precision resulting in streamlined access to critical insights.

Data Analyst | NEXIS Student Technology Lab | *MS Excel, Tableau*   **Feb 2022 - Apr 2023**
- Demonstrated expertise in using advanced Excel functions, such as VLOOKUP, HLOOKUP, INDEX-MATCH, and PivotTables, to organize and analyze large datasets.
- Collaborated with cross-functional teams to automate repetitive tasks using Excel macros, reducing manual workload by 22%.
- Conducted a comprehensive analysis of semester course offering preferences using Tableau, transforming raw survey data into actionable insights for academic planning of 120 students.
- Designed dashboards that presented a narrative-driven analysis of survey results, effectively communicating findings to university leadership and faculty committees.
- Utilized features, including calculated fields and trend lines, to identify patterns and forecast course demand, contributing to efficient resource allocation, and increased student satisfaction score by 14%.

PROJECTS

Predicting the Attrition Rate of a Company | *Python*   **May 2022 - Jun 2022**
- Utilized libraries like NumPy and Pandas to cleanse and preprocess a survey dataset comprising 4410 companies.
- Leveraged descriptive statistics and data visualizations to identify patterns driving higher attrition, enabling targeted interventions, and reducing turnover rate by 19%.
- Built a high-performing prediction model using Random Forest Tree and Decision Tree algorithms, achieving an accuracy rate of 92%.

Analyzing the Start-up to Unicorn Journey | *R, Adobe Illustrator*   **Jan 2022 - May 2022**
- Cleaned and preprocessed a survey dataset of 1037 company information using R dplyr and R tidyr libraries.
- Performed statistical and data analysis to identify key patterns within the dataset to understand the factors leading to the company's financial growth.
- Constructed single and multi-dimensional data visualizations. Crafted infographics using Adobe Illustrator to effectively convey complex information, enhance the aesthetic appeal and engagement for poster presentation.

SKILLS

Data: Data Analysis, Data Visualization, Data Mining, Descriptive Analysis, Trend Analysis and Forecasting, Statistical Analysis, Hypothesis Testing, A/B Testing.
Tools: Tableau, Power BI, Advanced MS Excel, R Studio, Google Analytics, ETL, Anaconda Python, Azure Data Studio, SQL Server Management Studio, SQL Server Integration Services, dbt, Weka, Docker, MS Project.
Programming: R, Python (Scikit-learn, SciPy, Matplotlib), SQL (MySQL, PostgreSQL), DAX, C#.
Web: HTML5, CSS