

Monil Darshan Mehta

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Education

M.S. Information Systems University of Maryland Baltimore County Courses - Data Mining, Structured system Analysis, Data Analytics for Statistical Learning.	Aug 2022 - May 2024
B.E. Computer Engineering Mumbai University Courses - RDBMS, Big Data & Analytics, Machine Learning.	Jul 2017 - Nov 2020

Skills

Programming Languages - SQL, Python (NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn).
Data Analysis & Visualization - Tableau, PowerBI, Alteryx, Google Analytics.
Tools & Databases - Jupyter Notebook, Jira, MySQL, SQL developer, Microsoft Excel, Microsoft Powerpoint
Other Relevant skills - Analytical Mindset, Critical Thinking, Problem Solving, Attention to details, Team Collaboration.

Work Experience

Data Analyst, Jain Alert Inc., USA <ul style="list-style-type: none">Analyzed user engagement data using SQL and Tableau, driving a 30% increase in community outreach through personalized email campaigns and targeted events.Performed data validation using SQL to identify and correct inconsistencies in user engagement data, improving the accuracy of reports.Targeting a 25% reduction in user-reported issues by utilizing Excel features like VLOOKUP and Pivot Tables for data analysis, creating charts that drive data-driven decisions and enhance user experience.	Aug 2024 - Present
Data Analyst, Residential Life (UMBC), USA <ul style="list-style-type: none">Analyzed visitor data with Python, optimizing traffic patterns and reducing unauthorized access by 25%.Tracked semester closing data across 9 community halls, improving report speed by 40%, enabling faster decisions for 500+ students.Developed dashboards in Tableau to track guest's check-ins/outs, enabling accurate records for 100+ guest during peak periods and minimizing check-in/out errors.Created Tableau dashboards to visualize housing occupancy, reducing staffing overhead by 15%.	Sept 2023 - May 2024
Data Analyst Intern, CloudLeap Technologies Pvt Ltd, USA <ul style="list-style-type: none">Identified trends across diverse datasets, providing actionable insights for public health research.Developed APIs using Python-Flask, reducing manual data processing time by 40%.Collaborated with FDA on a Social Determinants of Health prototype, presenting findings to the Census Bureau to enhance public health strategies.	Jun 2023 - Aug 2023

Project Experience

Customer Segmentation by Personality <ul style="list-style-type: none">Cleaned and pre-processed customer data with Python, addressing missing values for accurate clustering.Applied K-means clustering to segment customers by personality traits, achieving 90% accuracy and uncovering behaviour patterns for targeted marketing.Visualized clusters with Seaborn and Matplotlib, providing actionable insights to enhance personalized marketing strategies and improve customer retention.	Aug 2023 – Dec 2023
Baltimore City Crime Rate and Safety <ul style="list-style-type: none">Cleaned and pre-processed 1M+ crime records using Python to handle missing values and outliers.Applied clustering and regression models to predict crime trends with 93.5% accuracy.Created visualizations using heatmaps, Folium Maps, and bar plots, which informed local authorities on safety improvements for international students.	Jan 2023 – May 2023
Predict Future Sales <ul style="list-style-type: none">Preprocessed and cleaned data with Python, handling missing values, outliers, and creating additional features like lag and rolling averages for better forecasting.Developed predictive models using Python to forecast monthly sales for over 1000 product-store combinations, achieving a (RMSE) of 0.89, enhancing inventory and revenue planning.Analyzed sales trends and seasonality with Matplotlib and Seaborn, providing insights for pricing strategies and promotions.	Aug 2022 – Dec 2022