SWAPNIL DEORE

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EDUCATION

Syracuse University, School of Information Studies, Syracuse, NY   August 2022 - May 2024
Master of Science in Information Systems
Relevant Coursework: Scripting for Data Analysis | Applied Database Management Systems | Introduction to Data Science | Data Analysis and Decision Making | Visual Analytics Dashboards | Data Warehouse | Business Analytics

WORK EXPERIENCE

Data Intern, Syracuse University, NY   June 2023 - August 2023
- Integrated data from diverse databases, improving **data accuracy by 30%** and minimizing errors in analytical outputs.
- Designed the base data model and established relationships along with setting up automatic scheduling impacting the ease of use of information for different academic departments and **reducing the manual workload by 80%**.
- Applied data visualization techniques resulting in **15% increase** in stakeholder comprehension.
- Optimized data analysis processes, streamlining academic departments' decision-making with real-time insights, resulting in improved strategic planning and enhanced academic performance across departments.

System Engineer, Tata Consultancy Services, Mumbai, India   September 2020 - June 2022
- Improved National Stock Exchange trading efficiency implementing Linux-based server solutions, resulting in **30% reduction** in transaction latency and ensuring uninterrupted operations for optimal trading experiences.
- Implemented efficient data storage solutions, **reducing storage costs by 20%** while maintaining high-performance access to critical information on National Stock Exchange servers.
- Adopted SQL-based security measures, including role-based access controls and encryption, ensuring data confidentiality and compliance with industry standards required for trading.

SKILLS

Data Analysis: SQL, Microsoft Excel, Python (Numpy, Pandas), R
Data Visualization: Power BI, Tableau, Microsoft Excel, Python (Matplotlib, Seaborn), QuickSight
Database: MySQL, PostgreSQL, MongoDB, SQL Server, Amazon RDS
Statistical Analysis Techniques: Time Series Analysis, Regression, A/B testing, Data, Research, Data Extraction, Data Transformation, Data Cleaning, Confidence Interval, Exploratory Data Analysis, Data Modeling, ETL, Statistics

PROJECTS

Analysis on Apple IOS app store (SQL, Power BI)   October 2023
- Conducted an Exploratory Data Analysis on Apple iOS App Store consisting of **7,197 unique apps**.
- Revealed that apps with language support between **10 and 30 languages** boast an impressive average rating of **4.13 out of 5**.
- Analyzed that paid apps have higher average rating of **10.6% compared to free apps**, highlighting the potential influence of monetization on user satisfaction.
- Created an impactful BI dashboard, transforming raw data from the Apple iOS App Store analysis into visually compelling representations that facilitate a deeper understanding of app performance metrics.

Analysis of Pizza Sales (SQL, Power BI)   September 2023
- Leveraged SQL data transformations and cleansing processes to enhance data quality and accuracy for a pizza restaurant sales dashboard, ensuring reliable and actionable insights for business decision-makers.
- Adapted advanced Power BI functionalities to create interactive data visualizations, allowing stakeholders to drill down into specific regions or time periods, **leading to a 25% improvement** in identifying market trends and opportunities.
- Spearheaded the integration of diverse data sources into a cohesive and user-friendly interface, streamlining access to critical business information and **reducing reporting time by 20%.**