SWAPNIL DEORE

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EDUCATION

Syracuse University, School of Information Studies, Syracuse, NY   August 2022 - May 2024
M.S. Information Systems (GPA: 3.9/4)
Relevant Coursework: Scripting for Data Analysis | Applied Database Management Systems | Introduction to Data Science | Data Analysis and Decision Making | Tableau Dashboards | Natural Language Processing | Data Warehouse

University of Mumbai, Mumbai, India   June 2016 - October 2020
B.E. Computer Engineering (GPA: 3.6/4)
Relevant Coursework: Database Management Systems | Management Information Systems | Data Warehousing and Mining | Machine Learning | Big Data Analytics | Python | Statistics | Data Science

TECHNICAL SKILLS

Programming Languages: Python, SQL, R, C, Linux, HTML, CSS, Git
Data Visualization Tools: Tableau, Microsoft Excel, Microsoft Power BI
Software: PostgreSQL, Visual Studio Code, Jupyter Notebook, MySQL Workbench
Frameworks and Libraries: NumPy, Pandas, Matplotlib, Plotly, Seaborn, Cufflinks, NLTK

WORK EXPERIENCE

System Engineer, Tata Consultancy Services, Mumbai, India   September 2020 - June 2022
- Improved National Stock Exchange trading efficiency implementing Linux-based server solutions, resulting in a 15% reduction in transaction latency and ensuring uninterrupted operations for optimal trading experiences.
- Collaborated with a team of 5 to solve issues such as connectivity problems with banks, missing Fixed Deposit packets between trades, traffic management across different servers and scripting for various testing environments.
- Configured use of FIX protocol that ensured efficiency and resulted in a 30% reduction in trade-related errors contributing to a more reliable efficient trading system, ultimately benefiting our clients.

PROJECTS

Data Analysis on favorite Youtubers [Python, NLP, Seaborn]   October 2023
- Utilized Google Developers Console obtaining API keys and enabled the YouTube API to fetch data ensuring seamless access to real-time data of favorite YouTube channels for comprehensive analysis.
- Analyzed video performance trends and found that most-viewed videos typically maintain an optimal title length of 30-70 characters while extremes may adversely affect viewership.
- Identified that videos lasting 10-15 minutes consistently amassed more than 60% of total likes and comments pinpointing an optimum duration for heightened audience engagement.

Data Analysis on Apple IOS app store [SQL]   August 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.

ACHIEVEMENTS

- Researched and published findings on association mining, showcasing 5% efficiency improvement of the Top-K algorithm over the UP-Growth algorithm in time and memory consumption.
- Led as Vice-President for Social Wing organizing community service activities and funding education of 40 underprivileged children in year 2020.