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, R, SQL, C, Linux, HTML, CSS, Git

Database Management: MySQL, MongoDB, PostgreSQL, SQL Server, Snowflake

Data Visualization Tools: Microsoft Power BI, Tableau, Microsoft Excel

Software: Visual Studio Code, Jupyter Notebook, MySQL Workbench, RStudio, Docker, Github Desktop

Frameworks and Libraries: NumPy, Pandas, Matplotlib, Plotly, Seaborn, Cufflinks, NLTK, PySpark

WORK EXPERIENCE

System Engineer, Tata Consultancy Services, Mumbai, India — September 2020 - June 2022

- Collaborated with a team to develop and maintain different servers of the National Stock Exchange using Linux.
- Resolved wide range of 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 the use of FIX protocol that ensured efficiency and resulted in a 10% reduction in trade-related errors that contributed to a more reliable and efficient trading system, ultimately benefiting our clients.

PROJECTS

Data Analysis on my favorite Youtubers [Python, NLP, Seaborn] — October 2023

- Configured settings on Google Developers Console, obtained API keys, and enabled the YouTube API to fetch data ensuring seamless access to valuable data on my favorite YouTubers for comprehensive analysis.
- Transformed raw data into a usable format for more in-depth exploration of YouTube video trends and success factors.
- Applied NLP methodologies to reveal hidden insights and understand content patterns and audience preferences.
- Identified that videos lasting 10-15 minutes consistently amassed more than 50% 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 the Apple iOS App Store consisting of 7,197 unique apps.
- Utilized SQL queries in a Jupyter Notebook to extract insights on app ratings, categories, user engagement and addressed questions such as the impact of app type (free or paid) on ratings, correlations and genres with low ratings.
- Revealed Executed SQL queries to determine that paid apps had a higher average rating (3.72) compared to free apps (3.38), highlighting the potential influence of monetization on user satisfaction.

ACHIEVEMENTS

- Published a research paper titled “Association Mining for Super Market Sales using UP Growth and Top-K Algorithm”.
- Chaired as Vice-President for Social Wing and organized different activities associated with Community Service Programs and funded the education of 40 underprivileged children through these events in the year 2020.