SAHIL MAHENDRA MODY

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PROFESSIONAL EXPERIENCE

VTeamLabs, Redmond, WA – Data Analyst   August 2023 – Present
- Developed and executed SQL queries for data retrieval and manipulation, ensuring data accuracy and reliability
- Collaborated with teams to implement database requests, create data pipelines, and maintain linked services and datasets in Azure Data Factory
- Contributed to data cleaning, transformation, and visualization by using tools like Power Query, DAX, and Power BI to create reports and dashboards

VTeamLabs, Redmond, WA – Data Analyst Intern   September 2022 – December 2022
- Gained proficiency in SQL to query databases efficiently, extract relevant data, and contribute to data extraction and integration processes
- Created 8 Power BI dashboards for corporate clients to project Return on Investment, monitor accounts growth, new customer trend and monthly revenue data resulting in 93% customer retention
- Generated project reports that effectively communicated data insights to management and the team members

Trivia Softwares, Mumbai, India – Data Analyst Intern   December 2019 – February 2020
- Analyzed 1000+ students historical data using Excel spreadsheet, identified students' academic performance trends and created quarterly reports for the 9 instructors getting visibility into cohorts' performance
- Presented analytics and findings of students' and instructors' performance using graphs to CEO and charts and identifying additional training & development opportunities for 249 underperforming students and 2 teachers
- Analyzed historical student performance data and recommended 118 high-performer students for scholarships and admission to Kamal Coaching's elite program resulting in achieving 100% success rate for the group

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, DAX, R Programming, JavaScript (ES6+)
- **Cloud Computing:** Azure Synapse Analytics, Azure Data Factory, Azure Data Bricks, Azure DevOps, AWS
- **Databases & Tools:** SQL Server, MySQL, PostgreSQL, SSIS, MongoDB, Excel, Tableau, Power BI, GIT
- **Libraries:** NumPy, Pandas, Seaborn, Matplotlib, Beautiful Soup

ACADEMIC PROJECTS

Boston House Prediction – *Python, Machine Learning, Flask, Postman, Docker, GIT* (Repository)   February 2023
- Developed a Linear Regression Model to predict housing prices in Boston based on 13 criteria using Python's Scikit-learn library and visualized the predictions and residuals to assess model performance
- Improved user experience by 60% by implementing a responsive Flask web application to allow real-time housing price prediction requests and deployed the model using Docker and used GIT for version control system

Financial Complaint Analysis – *Tableau, Data Visualization* (Dashboard)   May 2022
- Optimized 25% efficiency by automating the manual process of tracking 75k+ financial complaints with the implementation of the Tableau dashboard and highlighting areas of improvement, and customer dissatisfaction
- Reduced complaint investigation time by 25% through utilization of real-time dashboard data, allowing the team to quickly identify the root cause of the issue

Indeed Review Score Analysis – *Data Scraping, Data Cleaning, Analysis* (Repository)   April 2022
- Conducted sentiment analysis on Indeed reviews of company employees using Python and Natural Language Processing libraries and scraped data using web scraping tools such as Beautiful Soup to gather 10,000 reviews
- Achieved an accuracy of 89% on binary classification (positive and negative reviews) and visualized the results using Python libraries such as Matplotlib and Seaborn

PUBLICATIONS AND CERTIFICATIONS

- Authored and published a paper on Sentimental Analysis of USA Election Slogans in International Journal of Engineering Research and Applications in (Series-IV) in September 2020, Volume 10, Issue 9, ISSN: 2248-962
- **Certificates:** Data Science using Python by University of Michigan, Data Analytics Essentials by Cisco

EDUCATION

Stevens Institute of Technology, New Jersey   May 2023
Master of Science in Computer Science   **(CGPA: 3.83/4)**
University of Mumbai, India   June 2021
Bachelor of Engineering in Information Technology   **(CGPA: 3.42/4)**