NEEL SURESHKUMAR CHAUDHARI

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Profile Summary:

DATA ANALYST/ STATISTICIAN

- Graduated with a Bachelor of Science in Statistics and Mathematics
- Strong knowledge of Mathematical Statistics, data analytics, and machine learning.
- Having High-level Knowledge of data cleansing, data mining, data visualization, data interpretation, communication and presentation, and project management.

Technical Skills:

Gained adequate knowledge and skills of the following languages and visualization tools to solve the analytical problems or find key insights in all fields such as marketing, health care, finance, project management, supply chain, etc.

Programming Languages
- Python
- R
- SQL

Data Visualization Tools
- Tableau
- Microsoft Power BI
- Excel charts

Other Tools
- Jupyter Notebook
- Rstudio
- Anaconda
- VS Code
- IBM Cognos
- PowerQuery
- Microsoft Project & Microsoft Access

Education:

Post-Graduation Certification in Data Analytics for Business   **(May 2021 – July 2022)**
St. Clair College, Ontario, Canada
- Learned to solve analytical problems using the different advanced statistical and machine learning methods.
- Explore practical knowledge of statistical methods which have been studied during under-graduation.
- Gained knowledge and skills for solving problems in different fields such as Marketing Analytics, Supply Chain Analytics, Finance Analytics, Healthcare Analytics, and Project Management Analytics.

Bachelor of Science In Mathematical and Applied Statistics   **(July 2017 – September 2020)**
Gujarat University, Gujarat, India.
- Learned descriptive statistics and inferential statistics, and explored them using Microsoft Excel.
- Improved the knowledge of sampling and probability distributions such as normal distribution and t distribution using R language and applied these tools and techniques to real-world problems.
- Learned to use the clustering analysis using Excel, R, and python.

Projects:

Data-Driven Car Following Model
- Implemented Data Driven Car Following model predicting Acceleration, Velocity, Jerk, and Space in a single Lane Car following using US transportation provided NGSIM open data.
- Trained the model's post ingestion, cleanup, and transformation of the existing NGSIM data.
- Compared among various Random Forest or Neural networks for predicting Acceleration and savings the models to compare and select.
- Calculated the Trajectory of the vehicle, including Speed, Acceleration, and spacing between the Lead and the Subject vehicle using equations of motion.
- Leveraged Python for models. Reports and code for which are available on my GitHub.

Projects:

Financial Analysis For TESLA
- Visualized trend analysis and valuation analysis using Python
- Created explanatory plots for ratio analysis to compare TESLA with average market ratios
- Simple Moving Averages and Exponential Moving Averages have been created to measure stock trends
- Predicted overall trend of TESLA's stock trend using Monte Carlo Simulation
- Used Facebook Prophet to forecast time-series values

Work Experience

Data Analyst Intern at Windsor Regional Hospital   (June 2022 - Present)
- Performed Descriptive insights for the Dosimetrist (CT Scan) tracker performance.
- Automated the report generation from the MySQL database leveraging open-source tools.
- Analyze the data using Python and SQL and visualize them in Microsoft Excel

Data Analytics and Statistics Tutor at Varsity Tutor   (July 2022 - Present)
- I am teaching not only Python, SQL, and R programming, but also visualization tools such as Tableau and Power Bi
- I help my students to solve complex analytical problems using the tools
- However, Advanced Statistics is my major subject for tutoring at Varsity