Parth Mujumdar

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EDUCATIONAL QUALIFICATIONS

North Carolina State University   May 2021 (Anticipated)
Master of Industrial Engineering

Savitribai Phule Pune University, India   May 2018
Bachelor of Mechanical Engineering (GPA - 4.0/4.0)

SELECTED SKILLS

- Data Analysis Tools – Python, JMP, Advanced Excel
- Database Management Software – Microsoft Access, MySQL, IBM DB2, Microsoft SQL
- Data Visualization Tools – Tableau, Power BI
- Lean Six Sigma Quality Control

RELEVANT COURSES

Data Analysis using Python | Database Management and Applications | Engineering Statistics | Stochastic Models in Engineering | Lean Six Sigma Quality | Inventory Control of Production and Service Systems | Digital Manufacturing | Operations Research | Numerical Methods and Optimisation

SELECTED PROJECTS

Inventory Database Management - CENSAI™   August – November 2020
- Developed forms to maintain and update the SKU's and corresponding bill of materials in MS Access.
- Set up an alert system when the inventory falls below a 'critical point' defined by the client.
- Automated the process of importing inventory data from MS Excel.

Analysing Streaming Data from Twitch   September 2020
- Analyzed the streaming data from Twitch in MySQL to create categorical data tables
- Trends in categories like, the most popular game, preferred streaming device, the busiest time of the day were explored.
- Visualized the trends in the analyzed data using matplotlib in python.

Marketing Funnel Analysis and A/B Testing   May 2020
- Analyzed a marketing funnel data set from an online retailer using MySQL to check which step filters out most of the customers.
- A/B tested two marketing strategies to find out which model worked the best.

Value Stream Mapping and Benchmarking - Caterpillar Inc.   February – May 2020
- Created Value Stream Maps for two system processes and identified areas of improvement.
- Benchmarked best practices in those areas and provided recommendations.
- Optimized delivery process by classification of products by category.
- Reduced the lead time by 48 hours by eliminating non-value adding processes.

Predicting pNPS Score using Sentiment and Telemetry Data- Lenovo   August – December 2019
- Cleaned, sorted, and classified web sentiment data, net promoter score (NPS) data, and telemetry data.
- Implemented regression analysis using python to predict the pNPS score from the selected parameters of sentiment data and telemetry data.

PROFESSIONAL EXPERIENCE

Bosch, India   June – July 2017
Project Trainee, Maintenance Department
- Worked on enhancing the life of the demagnetization unit and slide by stroke optimization on test line.
- Reduced the processing time by 20% and increased the life of the slide significantly.

EXTRA-CURRICULAR ACTIVITIES

- Professional Association of Diving Instructors (PADI) certified open water scuba diver.
- Worked as a freelance wildlife photojournalist with several publications.