

Saniya Bipin Vichare

(864)-986-2826 | svichar@g.clemson.edu | www.linkedin.com/in/saniyavichare

105 College Street, Clemson, SC, 29631

EDUCATION

Master of Science in Industrial Engineering

August 2019 - May 2021

Clemson University, Clemson, South Carolina

Relevant Coursework: Transportation and Logistics, Supply Chain Design & Control, Research Design & Quantitative Analysis I, Engineering Optimization and its Application, Six Sigma Quality, Statistics Analysis I, Model systems under Risks, Human Factors Engineering

Bachelor of Engineering in Electrical Engineering

August 2014 - May 2018

University of Mumbai, Mumbai, Maharashtra

WORK EXPERIENCE

Clemson University, Clemson, SC: Data Analyst

September 2020 – present

- Analysed and interpreted survey data of 450 participants to determine the opinion of blind and visually impaired on ridesharing services and their ride preferences

Clemson University, Clemson, SC: Graduate Grading Assistant

September 2020 – present

Accenture, Mumbai, India: Quality Assurance Engineer

September 2018 - April 2019

- Accomplished 45% productivity by testing, validating software snippets and triaging defects
- Coordinated with a team of up to 30 people to resolve bugs

ACADEMIC PROJECTS

Optimizing traffic at Chick-Fil-A, Tiger BLVD, CLEMSON

September 2020 – December 2020

- Cleansed the data by detecting outliers and missing data from the dataset to avoid inconsistencies
- Implemented single exponential method and simple moving average method to forecast the number of customers for the next 15-minute interval during busy hours
- Optimized waiting time by 15 minutes by simulating an arena model with addition of a window
- Conducted sensitivity analysis to see the effect of change of input parameters

Root Cause Analysis: LWC door module at Brose-Spartanburg

January 2020 - April 2020

- Performed FMEA and Pareto Analysis to find out the two most occurring defects on the assembly lines that contributed to the scrap production while leading a team of 4
- Conducted Statistical Process Control (SPC) to understand the stability of the process and hypothesis testing to narrow down which assembly line out of the three needs to be investigated
- Our team recommended twelve lean improvement techniques to reduce 55% of the defects

Data analysis on finding out the strongest Pokémon

February 2020 - April 2020

- Investigated and analysed a dataset of 890 Pokémons with 5 DVS and 2 IVS by using Multivariate Analysis of Variance (MANOVA) followed by ANOVA and a post hoc analysis (Tukey's HSD)
- Verified the results by carrying out graphical analysis on the same 890 Pokémons dataset
- Created a shiny application to find out the strongest Pokémon between two Pokémons

Transportation cost optimization

August 2019 - December 2019

- Formulated an optimization model using AMPL to maximize company's profit
- Reduced the transportation cost by 40% using real life data for a logistics and transport company

SKILLS

Technical skills: Lean Six Sigma, Supply Chain, Forecasting, Demand Planning, Inventory Management, Sourcing, SPC, Warehouse Management, Logistics, Statistical Data Analysis, Optimization Models,

Software skills: R, Python, SQL, C, C++, JAVA, Minitab, Visio, SPSS, Microsoft Office, AMPL, AutoCAD

CERTIFICATIONS

- Certified Lean Six Sigma Green Belt, Lean Corporation & Clemson University
- Data analysis with Python, Coursera certification