BRITY JAIN

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SUMMARY:

- Analytical with history of success in improving Quality, Yield and Production Processes in manufacturing environment.
- Strong Lean Manufacturing background. Professionally trained in performing Time studies, addressing problems, Value Stream Mapping, Know Your Customer (KYC), Critical to Quality (CTQ), quality and process improvements.
- Acknowledging voluntary research at University of Texas at Arlington in field of Operations Research.
- Six Sigma Green Belt Certified from ASQ. (Certification number:20855)

EDUCATION:

University of Texas At Arlington, United States	GPA: 3.5 (Dec 2019)
Master of Science – Industrial Engineering	
Gujarat Technological University, India	GPA: 3.6 (May 2017)
Bachelor of Engineering – Mechanical Engineering	

CORE COMPETENCIES:

World Class Manufacturing	**SPC**	**Lean Manufacturing**	**Problem Solving**	**Continues Improvement**
Supply Chain Management	**Six Sigma**	**Facility Planning**	**Warehousing**	**Observational Skills**

SKILLS:

Software: Minitab, MATLAB, Python, MySQL, Tableau, AutoCAD, SAS, SPSS   **Tools:** MS Office, MS Access, MS Visio, MS Project

PROFESSIONAL EXPERIENCE

Supply Chain Industrial Engineer, Prem Grain Industries Pvt Ltd., Maharashtra, India.   Jan17 - Dec17

- Implemented **Lean Management** and **Six Sigma** projects to optimize process, solving operational issues and to come up with cost-saving and timesaving measures. *(Lean manufacturing, Six Sigma)*
- Performed Time and Motion study which resulted in 6% increase in productivity, improved manufacturing efficiency and improved activities schedule for supply chain.
- Forecasted and ordered production and shipment of over 1.5 million units per month, analyzing sales data to accurately meet the demand and emergency orders. Improved forecast accuracy by 12%.
- Organized and presented data insights to upper level management and did reporting using SQL.
- Accountable for decrease in errors in shipment tracking from 18% to less than 5% .
- Automated whole process of grain processing to reduce manpower and downtime. Improved space utilization by introducing storage and slotting strategies.

Data Analyst Intern , Dhanraj Automobiles Pvt Ltd., Gujarat, India.   Aug 16 – Nov 16

- Analyzed data of over 60,000 records using Python. Applied statistical analysis to determine reliability and validity of the sampling, also proficient in work-study statistics and visualize data.
- Used advanced Microsoft Excel to create pivot tables and pivot reporting as well as used VLOOKUP function.

Industrial Training Summer Intern 2015, Larsen And Toubro Pvt Ltd., Gujarat, India.   May 15 – Jul 15

- Assigned into five-person team tasked with investigating, recommending, planning, and implementing optimization processes in manufacture of special steels. Consulted with manufacturing team to identify best practices for safety and supply chain operations.

ACADEMIC /PROFESSIONAL PROJECTS:

Planning, Analysis and Optimization of Supply Chain at Optimus Fulfill LLC.

- Improved production and inventory planning by 5%. Developed SOP's, Jishu Hozen sheet, Skill Matrix to have smooth flow of the production. Recommended new facility layout to reduce wastes. Introduced IT Application.

Warehouse design for Vital Vitamins Inc. Pvt Ltd. *Tools: AutoCAD, Pro-planner, Tableau, Excel*

- Analyzed the sales data and volume of the SKUs. Considering the space and cost constraints, an entire layout of warehouse was designed including MHE requirements and FTE calculation.

Warehouse Operations Optimization *Tools: MS Excel, SQL, MS Project*

- Increased the overall productivity of the warehouse operation. Designed an Optimized Forward Pick Area by analyzing the SKUs' data and implementing different optimization algorithms and techniques.

Data mining and modelling on Black Friday Sales Data. *Tools: MATLAB, Python*

- Applied modeling techniques like logistic regression, Naïve Bayes, Random forest, SVM, decision tree, gradient boosting, KNN, etc. in python on data of 550000 observations. Identified factors affecting purchases based on age, product category, gender region, etc.…

Lean Six Sigma Process Improvement in Delta Airlines *Tools: Excel*

- Identified CI strategies to reduce repetitive tasks delivering 12 % improvement. Conducted Process Mapping & Time/Capability studies to improve throughput, eliminate bottlenecks and ensure adherence to customer specifications.

Multiple linear regression analysis on Honey production in USA *Tools: SAS, Minitab*

- The analysis was performed for the data from year 1998-2012, keeping the Production Value as the response variable and Total Production, Stocks, yield per colony, and price per lb. as the predictor variables. Obtained the optional linear regression functions.

(Check more on my website: www.brityjain.com)

PROFESSIONAL REFERENCES:

Dr. Subhash C. Singhal	**Dr. Maysaa M. Hamdan**	**Mr. Vinod Chordia**
Asst. Professor of Instruction, IE	**Adjunct Professor, IE**	**Director, Owner**
University of Texas At Arlington	**University of Texas At Arlington**	**Prem Grain Industries Pvt. Ltd**
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