SRIKAR YELLAYI

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SUMMARY:

Industrial Engineering Graduate with experience in maintenance planning and implementing 5S, strong background in Supply Chain, Lean Manufacturing, Data Analysis and Visualization. Seeking to leverage academic knowledge, industry experience and analytical thinking to optimize organization's complex functions and develop a culture of continuous improvement.

EDUCATION:

Master of Science in Industrial Engineering
- The Pennsylvania State University (GPA: 3.56/4)   May 2018

Bachelor of Technology in Industrial Engineering
- Gandhi Institute of Technology & Management (GITAM University) (GPA: 8.86/10)   April 2015

WORK EXPERIENCE:

Maintenance Planner – Earthbound Farm LLC   Apr 2019 – Jun 2019
- Developed and managed the engineering maintenance planning and scheduling for the plant using CMMS software.
- Created purchase orders, coordinated with suppliers, attached parts to work orders and managed maintenance inventory
- Developed process flow charts, downtime reports, measured Overall Equipment Effectiveness (OEE) to track downtime, equipment and labor productivity with a goal to achieve Total Productive Maintenance (TPM) by continuous improvement

Graduate Teaching Assistant - Penn State Smeal College of Business   Jan 2018 - Dec 2018
- Conducted classes, developed case studies, solutions and graded assignments, projects and exams
- Audited Courses**:** Demand Fulfillment, Business Logistics Management, Strategic Design & Management of Supply Chains

Assistant System Engineer Trainee - Tata Consultancy Services (TCS), India   Nov 2015 - Mar 2016
- Created a database for a transportation company that lead to efficient management of its employees, increased visibility of accidents involving drivers and insight into employee turnover

Production Process Intern - Hindustan Shipyard Limited (HSL), India   May 2014 - Jun 2014
- Developed Advanced Product Quality Planning (APQP) requirements, including Process Failure Mode & Effect Analysis (PFMEA) and Process Flow Charts.
- Identified and evaluated suppliers, negotiated contracts, purchase order management, performed root cause analysis to reduce supplier lead times
- Implemented 5S on the shop floor and eventually surpassed productivity target by **5%**. Conducted time studies on the shop floor and used those performance indicators to identify and replace less efficient machines thereby reducing the cycle time

PROJECTS:

Future of Retail Industry   Feb 2018 - Mar 2018
- Analyzed the impact of 'Amazon Go' on workforce, sustainability of supply chain and its potential causes of failure. Created a customer shopping behavior survey and analyzed data using excel and tableau to gain insight into current shopping trends

New Product Introduction   Jan 2017 - Apr 2017
- Designed a supply chain network for a retail company planning to launch private label of smart power tools. Market analysis of power tool manufacturers, voice of customer techniques, supplier selection, demand forecasting and break-even analysis for Make/Buy decision
- Developed a business model (Strategic Profit Model & ROA) by estimating manufacturing, inventory, transportation costs which resulted in net profit margin of **6%** and return on assets of **10%** with **2%** market share

Supply Chain Optimization for IME Inc.   Sept 2016 - Oct 2016
- Analyzing each of production, distribution, inventory variables and constraints to formulate a mixed integer linear programming model and maximized profits by 25% using Excel Solver and Lindo software.

Supplier Selection & Order Allocation   Aug 2016 – Sept 2016
- Mathematically formulated a supplier selection and order allocation problem to determine the optimal procurement plan to minimize the overhead and direct costs incurred considering product demand, supplier capacity, lead time and quality level.

TOOLS:

- Design Tools: AUTOCAD
- Data Visualization Tools: Tableau
- Statistical Tools: MINITAB, ANOVA
- Optimization Tools: Excel Solver, LINDO
- CMMS Software: Maintenance Connection
- Programming Languages: C, C++, HTML, SQL
- Lean Tools: 5S, JIT, TPM, OEE, Kanban, Value Stream Mapping
- Office Tools: Microsoft Word, PowerPoint, Outlook, Advanced Excel