
SUMMARY

A result oriented and enthusiastic graduate student in Industrial Engineering with specialties in production planning, inventory control and bill of material analysis. Seeking a full time position in the field of industrial engineering

CORE COMPETENCIES

- **Computer Aided Design Software:** AutoCAD, Creo 3D Modeling, Solid works
- **ERP Package:** Epicor, SAP
- **Simulation Modeling:** Simio
- **Statistical Analysis:** R Studio, Macros
- **Processes:** Lean Six Sigma, MRP, Kanban, Value Stream Mapping, Continuous Improvement, 5S, JIT, Kaizen
- **Planning/Scheduling:** MS Project and MS Excel
- **Tools:** Stat fit, GD&T Tool, Excel Solver, MS office Suite

CERTIFICATES AND TRAINING

- **Six Sigma White Belt Certificate** - Aveta Business Institute
- **Six Sigma Yellow Belt Certificate** - 6sigma study
- **Introduction of R** - Data camp

ACADEMIC QUALIFICATIONS

Masters in Industrial Engineering (GPA: 3.80/4.0) University of Houston, Houston	Graduating: May 2016
Bachelor in Mechanical Engineering (GPA: 8.16/10.0) L.D. College of Engineering, Ahmedabad	May 2013

Course Work: Advanced Linear Optimization, Engineering Design and Prototyping, Probability and Statistics, Material Handling and Facilities Design, System Safety Engineering, Operation Research-Digital Simulation, Supply Chain Management, Production Planning & Inventory Control, Engineering Economics, Project Management Principles, Economics of Disaster

PROFESSIONAL EXPERIENCE

Peek Traffic Corporation (Houston, Texas) **June 2015-August 2015**
Production Engineer Intern

- Producing configuration Bill of Material based on End User Specifications and updating list using Epicor
- Assisted in analyzing the product defects and cycle time through root cause analysis and time study
- Making and updating the material requirement planning and master production schedule in ERP system
- Calculating the future forecast to prepare the production and resources with the help of previous sales and forecast data
- Evaluating inventory to determine excess and obsolete material and keep track record of the inventory position
- Assisted in defining and calculating safety stock target and managing to achieve desire order fill rate

Daikin Air Conditioning India Pvt. Ltd. (Ahmedabad, India) **July 2013 - July 2014**
Engineer-VRV Business

- Designed VRV system including heat load calculation, outdoor system selection, refrigerant piping design using AutoCAD
- Evaluated engineering studies and proposed HVAC design according to customer requirement
- Led pricing and terms negotiations between customer and dealer, and made 10% increase in VRV Business
- Coordinated project details including project layouts, scope, timelines, delivery schedules, installation details

ACADEMIC PROJECTS

Design and Analysis of an Arbor Press **Fall 2015**

- Analyzed the part and made the calculation of Design of Assembly (DFA) and Design for Manufacturing (DFM)
- Re designed the part using CAD software which reduce the part complexity, assembly time and manufacturing cost
- Computed the tolerance zone and tolerance value for all the mating parts, and made the detail position control specification
- Analyzed D-Chain and D-Tree analyses to find out missing design function, and created GD&T

Optimization and Decision making approach to cricket team selection for an IPL Franchise: **Fall 2015**

- Collected all the player's statistics from the IPL franchise website and considered the constraints for all the players
- Created mathematical formulation of minimizing the overall cost with picking up the best performing players
- Applied the mathematical model in excel and selected the best player with the help of excel solver

Risk Assessment of Pipeline **Fall 2014**

- Calculated risk associated with a pipeline and calculated spill probability and risk matrix
- Studied the Keystone pipeline project and calculated average damage cost associated with the project; and made suggestion for reducing the risk associated with pipeline failure