

# VATSAL MODI

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**OBJECTIVE:** An energetic Industrial Engineer with a track record of exceeding goals and achieving results in a dynamic environment, seeking full-time roles and open to relocation with a focus on Packaging. Enjoy creative problem solving and getting exposure on multiple projects, and the collaborative environment on which your company prides itself.

## Skills:

- Knowledge of IQ OQ PQ, Cold Supply Chain, and high-speed flow wrapping.
- Proficient in Arena, Minitab, AutoCAD, Simulation tools and techniques.
- Moderate in RStudio, SAS, SPSS.
- Mastery of Microsoft Office Programs (Word, Excel, PowerPoint).
- Basic working ability with CAPA, Change Control, Deviation, and NCR.

## EXPERIENCE:

### 1. **PROJECT: Vials Packaging System** at University of New Haven **August 20 – December 20**

**Objective:** Modify existing packaging line according to the need for Covid vaccine packaging.

**Approach:** Batch modification and implementation according to needs and EHS standards.

**Results:** Improved system capacity and modified according to EHS standards.

### 2. **HARI OM INDUSTRIES, PACKAGING ENGINEER**, Kathwada, Gujarat **MAY 2017 – JANUARY 2019**

- To provide mechanical support to the production team while being responsible for the equipment and process validation, diagnosis, and repair of all mechanical equipment.
- Directed to develop and qualify global primary, secondary, and tertiary packaging solutions for products through the packaging lifecycle. Experienced with materials like a corrugated carton (SBS), PET labels, PET Bottles, Blister packaging, emerging material knowledge, specifically in flexible films, and a general understanding of how these materials interface with packaging equipment.
- Generated innovative solutions for vendors with Environmental responsibility and Sustainability as key elements and work with suppliers to fulfill requirements.
- Represented Packaging Engineering at cross-functional meetings within the Company. Displayed a high level of maturity, communication skills, and understanding of business. Communicating issues effectively to technical and non-technical personnel. (Brand, Finance, SCM, Global Team, Marketing, Compliance, Quality Creative, Manufacturing)
- Ability to work independently and lead planning, development, and dependencies, and execution for assigned projects.
- Provided support to the production team while being responsible for the equipment and process validation, diagnosis, and co-operate with the mechanical team for the repair of all equipment in the facility.
- Experienced working with statistical tools such as DOE and working knowledge of SAP and other ERP Software.
- Building Specifications specific to packaging that is released with PO. Specs to provide optimum material thickness, coatings, paper board weight, print processes, plastic window thickness, shipper printing processes, etc. that maximize printing efficiencies.
- Implement corrections, corrective actions, and countermeasures arising from CAPA's.
- Proficient in technical writing including deviations, and standard operating procedures.

## EDUCATION:

### **UNIVERSITY OF NEW HAVEN** - MASTER OF SCIENCE IN INDUSTRIAL ENGINEERING, 3.58/4 **DECEMBER 2020**

**Relevant Coursework:** Supply Chain, Engineering Economics and Cost Estimation, Operation Research, Design of Experiments, System Simulation, Human Engineering, Data Analytics, Quality Analysis, Achieving Optimal Operations

### **L.J.I.E.T. (GTU)** - BACHELOR OF ENGINEER IN MECHANICAL ENGINEERING, GPA: 8.38/10 **MAY 2018**

**Relevant Coursework:** Manufacturing process, Industrial Engineering, Renewable Energy Engineering, Machine Design

## ACTIVITIES:

- **Six Sigma Green Belt Training and Certification** (July 22, 2020).
- **SPCEx: Sustainable Packaging in a Circular Economy** (October 13, 2020).
- An active member of the Packaging Professionals (**IOPP**).
- Member of The American Society of Mechanical Engineers (**ASME**).
- "Full Throttle" event finalist 2016 (Cognizance – CHARUST)