

Vignesh Natarajan

Mechanical Design / Manufacturing Engineer

Inquisitive & innovative mechanical engineer with a firm command of manufacturing & mechanical product design. Team player with demonstrated history of working with cross functional teams. Cross cultural and quad lingual professional.

EXPERIENCE

Manufacturing Process Engineer

[GE Healthcare](#) Oct 2016 - Mar 2018

- Ensuring process quality and capacity compliance through Statistical Process Control (SPC) • Troubleshooting potential production issues, planning for capacity and equipment lifecycle upgrades • Implementing lean manufacturing methods, revising and validating existing processes • Executing Engineering Change Management (ECR/ECO), perform Root Cause Analysis & CAPA • Utilizing Creo/Windchill to design parts for new spares, equipment upgrades and updating records

R&D Engineering Intern

[Becton Dickinson \(BD\)](#) Jul 2016 - Oct 2016

- Worked on the Intelliport medication management system and associated NPD development projects • Utilized Solidworks to design parts, drawings for 3D printing, rapid prototyping & fabrication • Product and Packaging Component testing (ISTA, ASTM) and sensor, software testing and evaluations

Product Development Intern

[CueMed Inc](#) Jun 2015 - Aug 2015

- Developed designs, fabricated prototypes through material evaluation and selection for smart home, medical management IoT devices with Solidworks for plastic enclosures, Eagle CAD, Particle & Arduino.

Engineering Associate - NPD

[DST SEED Project - RMKEC](#) Aug 2013 - Aug 2014

- Designed, developed low cost hospital bed for decubitus ulcer using Solidworks & ANSYS • Optimized design, selected materials and fabricated prototype including lean implementation for low costs • Worked with cross functional team including doctors, patients, technical experts & researchers.

Body Shop Processes Intern

[Ford India Pvt Ltd](#) May 2011 - Jun 2011

- Worked on body shop process & assembly line operations monitoring and process optimization including quality processes, quality assurance and control procedures. Assisted with plant layout design process to reduce lead times. • Carried out inspections and quality checks to ensure adherence to quality controls and process flow efficiency.

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Milwaukee, WI

SKILLS

ProEngineer/Creo

Manufacturing

Six Sigma

Solidworks

CAD Design

Mechanical Engineering

Mechanical Design

EDUCATION

Master of Science - Mechanical Engineering

[Arizona State University](#)

May 2016

Mechanical Engineering

Bachelor of Engineering

[Anna University, Chennai](#)

Jun 2013

Mechanical Engineering

Mechanical Engineering Intern

Ashok Leyland Pvt Ltd. Dec 2010 - Jan 2011

- Performed quality control checks and processes through sampling and statistical analysis for engine assembly and special machining operations control areas.
 - Proposed improvements to optimize processes & increase efficiency.
 - Assisted in implementing Just in Time Manufacturing process through redesign of work stations & hold areas.