

Parth Koshti

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EDUCATION

Purdue University, 2019

2015 – 2019

Bachelor's in *Mechanical Engineering*

TECHNICAL KNOWLEDGE & SKILLS

LabVIEW, Elec. Control

Fluid Dynamics and Mechanics

Risk Assessment

Solidworks, CATIA, FEA

Project Management

System Integration

MATLAB

Engineering Finance Management

Product Design & Mfg., DFMA, GD&T

Thermodynamics

Mechanics of Materials

Structural Design and Analysis

WORK EXPERIENCE

Eckhart Automation USA

Aug 2019 – current

Junior Mechanical Engineer

- Design and project management for Industrial Automation Projects
- Continuous design improvement to existing and ongoing project designs
- Designing mechanisms and assemblies for automated manufacturing and material handling
- Managing project resources, workflow, suppliers, documentation, keeping teams and clients updated
- Researching system integration solutions for implementation in project designs

Dana Inc. (Senior Design Project)

Jan 2019 – May 2019

Project Manager

- Managed team resources, designed workflow, maintained documentation, prototyping, etc.
- Redesigned gearbox assembly for Dana's new electric drive system for scissor lifts
- Repackaged a functioning brake assembly into a smaller form factor in 15 weeks

Purdue ME Machine Shop

Jan 2018 – Aug 2018

Design and Mfg. Associate Engineer

- Overlooked machine shop operations and managed resources and shop inventory
- Trained for Manufacturing Centered Design

Zucrow Propulsion Labs

Dec 2016 – May 2017

Research Assistant

- LabVIEW Programming (Data Acquisition and Experimental Control)
- MATLAB data processing and vector simulation for Digital Inline Holography

SpaceX Hyperloop Project

Aug 2016 – Feb 2017

Associate Mechanical Design Engineer

- Designing and manufacturing Hyperloop Pod mechanisms
- Carbon Fiber Composite fabrication for structural reinforcement of pod

INTERESTS

Interests: Web Development, Photoshop, Reading, Volleyball, General Optimization