

# Parth Koshti

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Bachelor's in **Mechanical Engineering**, *Purdue University*

August 2015 - May 2019

## Technical Aptitude

<i>Project Management</i>	Risk Management, Documentation, Cost Estimation, Workflow Design
<i>Mechanical Engineering</i>	Thermal Flow, Fluid Mechanics & Dynamics, Mechanics, Materials, SolidWorks, CATIA, FEA, Machine Design, GD&T, Thermodynamics
<i>Programming</i>	MATLAB, Python, LabVIEW

## Experience

*Associate Mechanical Design Engineer*  
Eckhart USA

August 2019 - Current

- Worked as a part of a team that designs pneumatic mechanisms and fixtures for automated manufacturing and assembly for automotive clients.
- Created and maintained drawing sets, Sequence of Operations and BOMs
- Supervised tool assembly and ensured project met scheduled deadlines.
- Employed ERP software to coordinate effort across teams for a smoother project flow.
- Established platform that allowed fluid intra and inter-team information exchange for better coordination throughout the company.

*Engineering Team Lead*  
Dana Inc. (Oerlikon)

January 2019 – May 2019

- Worked with a team on developing a planetary gearbox and emergency braking mechanism that is used in Aerial Work Platforms.
- Managed team schedule, project reports and documentation and customer satisfaction
- Analyzed project risks, managed budget and cost estimation.
- Team successfully delivered the project within 16 weeks.

*Design and Manufacturing Asst. Engineer*  
Purdue University

January 2018 – August 2018

- Gained a lot of experience in DFMA and manufacturing and fabrication.
- Managed machine shop operations and optimized manufacturing schedules.
- Verified Formula and Baja SAE designs for manufacturability and taught DFMA to the teams.

*Research Assistant*  
Zucrow Propulsion Lab, Purdue University

Dec 2016 – May 2017

- Set up LabVIEW and MATLAB program to capture data for Digital Inline Holography.
- Worked with a team to process captured data to form 3D vector maps of injected fuel mist.

*Mechanical Design Engineer*  
SpaceX Hyperloop Competition, SpaceX

August 2016 – May 2017

- Worked as a part of the design team to design the competition pod
- Manufactured components using CNC and manual machining
- Molded Carbon Fiber Composite for reinforcing the pod's outer structure

## Interests

Volleyball, Web Development, Photoshop, Research