

# Meet Bhatt

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## EDUCATION

<b>Master of Science in Mechanical Engineering : University of Texas</b>	May 2021
<b>Bachelor of Engineering in Mechanical Engineering : Gujarat Technological University</b>	March 2019

## PROFESSIONAL EXPERIENCE

<b>Summer Trainee, KHS Machinery Pvt. Ltd.</b>	April 2019
<ul style="list-style-type: none"><li>Designed 3 parts for injection mold in CREO.</li><li>Implemented use of CATIA for manufacturing injection mold in CNC milling.</li><li>Optimized Power and Speed in LASER Engraving machine for giving the serial number to the part.</li></ul>	
<b>Manufacturing Intern, Nirav Industries</b>	Aug 2018
<ul style="list-style-type: none"><li>Used the CAM software to create detailed instructions that drive CNC machines.</li><li>Rectified machining codes and used pre-staging to decrease the production time by 11%.</li></ul>	
<b>Design Intern, Pressure Jet Systems Pvt. Ltd.</b>	Dec 2017
<ul style="list-style-type: none"><li>Designed and drafted a globe valve in SolidWorks.</li><li>Gave Geometric Dimensioning and Tolerancing (GD&amp;T) in the drawing for the same.</li><li>Developed and verified the numerical solution to a laminar pipe flow problem in ANSYS Fluent.</li></ul>	

## RELEVANT PROJECTS

<b>University of Texas : Thermal Enhancement Investigation.</b>	March 2020
<ul style="list-style-type: none"><li>Used various techniques for thermal enhancement of flip chip plastic BGA packages.</li><li>CFD tool : ANSYS IcePak was used for the same.</li></ul>	
<b>University of Texas : Stress and Strain Analysis using ANSYS</b>	Feb 2020
<ul style="list-style-type: none"><li>Built a non-linear finite-element model to analyze a rocket flange</li><li>Modeled thermal strains and verified the above model by refining the mesh.</li><li>Conducted stress analysis on bicycle Crank in ANSYS Mechanical.</li><li>Analyzed the dependence of the total deformation and normal stress distribution on mesh size for above model.</li></ul>	
<b>University of Texas : Research on Additively Manufactured injection mold.</b>	Nov 2019
<ul style="list-style-type: none"><li>Designed and did the draft analysis on mold meant for 3D Printing using SolidWorks.</li><li>Used SLA printer to print the part. Bit warping was observed.</li></ul>	
<b>Gujarat Technological University : Vibrational Analysis on machine</b>	Feb 2019
<ul style="list-style-type: none"><li>Proposed the model of Automatic Bar Feeding Mechanism in Hacksaw machine.</li><li>Did the vibrational performance analysis on automatic bar feeding machine for Hacksaw.</li><li>Published the findings in paper.</li></ul>	

## SKILLS AND COMPETENCIES

<b>Software (Proficient) :</b>	SolidWorks (certified), Autodesk Fusion, FESTO fluidsims, Microsoft Office.
<b>Software (Basic) :</b>	ANSYS, AutoCAD (2D), Altair Inspire, Catia, Creo, Sketchup, MATLAB.
<b>Soft Skills :</b>	Adaptability, Leadership, Diligence, Inquisitive, Self-Motivated.

## LEADERSHIP EXPERIENCE

<b>Crew Leader at University of Texas at Arlington</b>	Jan 2020
<ul style="list-style-type: none"><li>Responsible for managing the team for setting up rooms for optimum utilization of space.</li><li>Assist clients with issues during events.</li></ul>	
<b>Campus Ambassador</b>	Feb 2018
<ul style="list-style-type: none"><li>Represented my college at Indian Institute of Management, Ahmedabad.</li><li>Advertising and marketing of the various events.</li></ul>	
<b>Hospitality Head at Gandhinagar Institute of Technology</b>	March 2016 - Aug 2018
<ul style="list-style-type: none"><li>Responsible for receiving and interacting with celebrities, VIP's, and Journalists.</li><li>Managing the team of 70 people to ensure the success of event.</li></ul>	

## INVOLVEMENTS

**Member of American Society of Mechanical Engineers (ASME)**  
**Member of Society of Automotive Engineers (SAE)**