

# Meet Bhatt

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## EDUCATION

### University of Texas : Master of Science in Mechanical Engineering

Arlington, TX  
May 2021

### Gujarat Technological University: Bachelor of Engineering in Mechanical Engineering

Gujarat, India  
March 2019

## PROFESSIONAL EXPERIENCE

### Summer Trainee, KHS Machinery Pvt. Ltd.

Gujarat, India  
April 2019

- Designed various parts for injection mold in CREO.
- Learned CATIA for CNC milling.
- Hands on experience with LASER Engraving machine.

### Manufacturing Intern, Nirav Industries

Gujarat, India  
Aug 2018

- Learned design for manufacturing.
- Gained working knowledge of CAM software.
- Learned about the codes and its usage on Siemens controller.
- Rectified machining codes to decrease the production time by 24%.

### Design Intern, Pressure Jet Systems Pvt. Ltd.

Gujarat, India  
Dec 2017

- Responsible for designing and drafting a globe valve in SolidWorks.
- Giving Geometric Dimensioning and Tolerancing (GD&T) in the drawing.
- Developed and verified the numerical solution to a laminar pipe flow problem in ANSYS Fluent.

## RELEVANT PROJECTS

### University of Texas : Thermal Enhancement Investigation.

Arlington, TX  
March 2020

- Used various techniques thermal enhancement on flip chip plastic BGA packages.
- CFD tool : ANSYS IcePak was used for the same.

### University of Texas : Stress and Strain Analysis using ANSYS

Arlington, TX  
Feb. 2020

- Built a non-linear finite-element model to analyze a rocket flange
- Modeled thermal strains and verified the above model by refining the mesh.
- Conducted stress analysis on bicycle Crank in ANSYS Mechanical.
- Analyzed the dependence of the total deformation and normal stress distribution on mesh size for above model.

### University of Texas : Research on Additively Manufactured injection mold.

Arlington, TX  
Nov 2019

- Designed and did the draft analysis on mold using SolidWorks.
- Used SLA printer to print the part. Bit warping was observed.

### Gujarat Technological University : Vibrational Analysis on machine

Gujarat, India  
Feb 2019

- Proposed the model of Automatic Bar Feeding Mechanism in Hacksaw machine.
- Did the vibrational performance analysis on automatic bar feeding machine for Hacksaw.
- Published the findings in paper.

## SKILLS

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

## LEADERSHIP EXPERIENCE

### Crew Leader at University of Texas at Arlington

Jan 2020

- Responsible for managing the team for setting up rooms for optimum utilization of space.
- Assist clients with issues during events.

### Campus Ambassador

Feb 2018

- Represented my college at Indian Institute of Management, Ahmedabad
- Advertising and marketing of the various events

### Hospitality Head at Gandhinagar Institute of Technology

March 2016 - Aug 2018

- Responsible for receiving and interacting with celebrities, VIP's, and Journalists
- Managing the team of 70 people to ensure the success of event.