

OBJECTIVE	
Mechanical Engineer seeking opportunities to do hands-on job and apply statistical, analytical & problem-solving skills to gain experience in Manufacturing, Management and Mechanical design area, willing to pursue master’s in Industrial Engineering at abroad.	
EDUCATION	
Aug 2017 - May 2021 CGPA: 2.63/4.00	<b>School of Engineering and Applied Science, Ahmedabad University, Gujarat, India.</b> Bachelor of Technology, Mechanical Engineering
May 2017 Result: 86%	<b>Vijaynagar Higher Secondary School, Ahmedabad, Gujarat, India.</b> Class XII - The Gujarat Secondary and Higher Secondary Education Board (GSEB)
INTERNSHIP	
5/2019 - 6/2019 Rajkot, India	<b>Jyoti CNC Automation Ltd</b> <ul style="list-style-type: none"><li>Industrial training for manufacturing of CNC Machines. Observed closely from foundry, sheet metal workshop, paint shop to manufacturing assembly shop and quality control on assembled machines.</li></ul>
PROJECTS	
Jan’21 - May’21 Team size – 4	<b>Feasibility analysis of Bifacial PV module in Ahmedabad</b> <ul style="list-style-type: none"><li>Procured temperature, wind speed, GHI data of a year 2020 from IMD then performed theoretical models to get bifacial gain, power &amp; efficiency and optimized affecting parameters to get more output for the site. Then did cost analysis and calculated lifetime CO<sub>2</sub> reduction of Bifacial PV modules for the site.</li></ul>
Sep’20 - Nov’20 Team size – 5	<b>Design the brake system of an automobile</b> <ul style="list-style-type: none"><li>Designed Disc brake and Drum brake with described standards in design data book &amp; with suitable assumptions, did structural as well as thermal analysis on designed brakes in SolidWorks.</li></ul>
Aug’19 - Nov’19 Team size – 5	<b>Fabric Drying Experimental Setup</b> <ul style="list-style-type: none"><li>Designed and developed a setup such that different fabric samples can be analyzed by varying parameters like pressure difference, DBT, WBT, air flow rate to find an empirical relation for drying period.</li></ul>
Aug’19 - Nov’19 Team size - 4	<b>Centrifugal Pump Characteristics Experimental Setup</b> <ul style="list-style-type: none"><li>Designed and developed a setup to find out the centrifugal pump characteristics by measuring pressure difference across the pipe joints and by varying water flow rate.</li></ul>
INDEPENDENT COURSEWORK	
<ul style="list-style-type: none"><li>Programming for everybody (Getting started with python) &amp; Python data structures, Coursera</li><li>Responsive Website Basics: Code with HTML, CSS, and JavaScript, Coursera</li><li>Excel Skills for Business: Essentials, Coursera</li><li>Production &amp; Operations Management, Introductory statistics, Marketing Management, Quality Engineering, Advanced Machining Methods, Renewable Energy Technology at Ahmedabad University.</li></ul>	
SKILLS AND EXPERTIES	
<ul style="list-style-type: none"><li><b>Technical skills:</b> Laser cutting, 3-D printing, CNC Machining (Elementary), Arduino UNO</li><li><b>Programming Language:</b> HTML, CSS, Scilab, Python, MATLAB</li><li><b>Software tools:</b> Microsoft office, AutoCAD, SolidWorks, Intermediate Excel</li><li><b>Language known:</b> English, Hindi, Gujarati</li></ul>	
EXTRA CURRICULAR ACTIVITIES	
<ul style="list-style-type: none"><li><b>Industrial Visit</b> at RBD Engineers Pvt Ltd Khatraj, Ahmedabad</li><li><b>Industrial Visit</b> at Arvind Mill Pvt Ltd Kalol, Ahmedabad</li><li><b>Tutorship</b> at RD’s Institute Ghatlodia, Ahmedabad</li></ul>	
HONORS AND AWARDS	
July 2021 March 2020 Feb 2020 2020	<b>Winner</b> , Website Making Challenge 2021 by programming club at Ahmedabad University <b>Winner</b> , Mechathon 2020 by Ingenium technical fest at Ahmedabad University <b>Certificate</b> in Mechanical Design at associate level from Dassault Systemes <b>Co-founder</b> , ASME student chapter at Ahmedabad University