

CURRICULUM VITAE

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PARTH SUTHAR

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Career Objective

To have a growth oriented and challenging career, where I can contribute my knowledge and skills to the organization and enhance my experience through continuous learning and teamwork.

Work-Experiences

1. Naroto Mould and Machine India . - Ahmedabad.

Joining Date: March, 2020 to till date

Position: Mechanical Design Engineer

Roles & Responsibilities:

- Work closely with development team to ensure accurate integration of mould machine learning models in firm plate-forms.
- I have done designed and development of industrial metal and plastic molding and casting machines. The moulding machine like Bi-Axial, Pulverizer , Rock and Roll, Extruder , Scrap Grinder, Scrap Cutter, Mixer.
- Preparing machine part drawings and also done assembly drawing, Bill of Material, List of drawing.
- I have done development different parts of machine like Gear Design, Cyclone, Hopper, Blower, Mill Body, Vibro, Blower.
- I have done development assembly of machines.
- I have done design Carrier for mould so that mould can rotate on the machine so that final product produce from the mould.
- I have done design of Mold and cast metal or thermoplastic parts. □
- Design and develop new molds, molding processes, techniques, process improvements, and cost reductions.
- Develop and document manufacturing instructions and datasheets. □
- Inspect each part with very high precision measuring equipment.
- Expertise in GD and T Standard for Proper machine. Expert through using mechanical concept.

2. Mechzeal Inter-phasing Pvt. Ltd. - Ahmedabad.

Joining Date: Dec, 2019 to March, 2020

Position: Mechanical Design Engineer

Roles & Responsibilities:

- Specialization in the environmental engineering domain of the company, especially in design and detailed engineering of water & waste water treatment plants, Sewage treatment plants, Grey Water Treatment Plant, RO Plants.
- Preparing the Process and Instrumentation diagram (P&ID), G A Layout, Process Flow Layout, Sectional Layout for the Projects, Preparation of bill of quantities, Generation of piping drawings, etc.
- Project Planning including Meeting with Client, Project Schedule, Man-power planning for Dispatch, installation and Maintenance Procedure
- Execution of basic and detailed engineering design, Mechanical & process design calculations, sizing calculations and selection of various elector-mechanical equipment, generation of piping & instrumentation diagrams (P&ID), Hydraulic flow diagram, various mechanical Engineering drawing etc.
- Standardization of water & waste water treatment plants, Sewage treatment plants, Grey Water Treatment Plant, RO Plant, Piping Engineering in terms of Pharmaceuticals.
- Preparing Pressure Vessel and Tank Design, Drawing and weight calculation.
- Currently working on Autocad-2D, 3D-Mechanical Desktop
- Designing, Production and Installation in the following Plants.
 1. Finecure Pharmaceutical Limited, Sanand
 2. L&T Construction
 3. Suntara Cosmatic Pvt.Ltd , Kheda
 4. IIT-Kharagpur
 5. Amneal Pharmaceutical Limited, Bavla
- Design and detailed engineering of plants:-
 1. Water treatment Plant
 2. Sewage treatment Plant
 3. Grey Water Treatment Plant
 4. RO Plant
 5. Piping Engineering

3. Aira Euro Automation Pvt. Ltd. - Ahmedabad.

Joining Date: Sept, 2016 to July, 2017

Position: Mechanical Design Engineer

Roles & Responsibilities:

- I was designed and new development of industrial valves like Ball Valve , Butterfly Valve , Plug Valve and Gauge Vale with the help of design head.
- Preparing part drawings and also assembly drawing, Bill of Material, List of drawing

Academic Qualification

Course	University/Board	Institute	Year of passing	Percentage/CGP A/CPI
M.E- Mechanical Engineering (CAD/CAM)	GUJARAT TECHNOLOGICAL UNIVERSITY(GTU)	L.J. Institute of Technology, Ahmedabad	2019	8.04 (CPI)
B.E- Mechanical Engineering	GUJARAT TECHNOLOGICAL UNIVERSITY (GTU)	Ahmedabad Institute of Technology, Ahmedabad	2016	6.94 (CGPA)
12 TH HSC	GUJARAT HIGHER SECONDARY EDUCATION BOARD (GHSEB)	Ankur Higher Secondary & Secondary School, Ahmedabad	2012	60.77
10 TH SSC	GUJARAT SECONDARY EDUCATION BOARD (GSEB)	Ankur Higher Secondary & Secondary School, Ahmedabad	2010	72.47

Thesis (Project) during M.E. from ISRO:

Title: - “Design and Analysis of a Typical Payload Having Light-Weight Metallic Mirror”

Guided by: - Sanjay Gupta, SCI/ENG ‘SG’, Space Application Centre-ISRO, AHMEDABAD

About project:

- The light weight metallic mirrors are requiring to developed camera with high resolution imagery using frame imagery technique.
- The design and analysis of light weight mirrors is carried out with the consideration of minimum surface abbreviations during fabrication using diamond turning machine.
- The configuration design of payload with metallic mirrors is carried out and validity of design is established by detailed analysis under lunch load.
- 3D-Design and analysis of Space related components in Optical Payload. I have also worked in other project like Aditya, Spadex. In Aditya project, I have design and assembly of detector assembly, and in Spadex project mirror assembly.

KEY SKILLS

- Software known: **AutoCAD, Solid-works, Solid edge, PTC Creo, Ansys**

- Geometric Dimension and Tolerance (GD&T), Finite Element Analysis (FEA).
- Office suite: MS-office.
- Project Management
- Design and Development
- Design for Machine ability and Assembly
- 3D-Printing
- 2D,3D-Modeling,Assembly and Drawing
- Analysis of Component and Assembly
- Six Sigma

Area of Interest

- Machine Design
- Research and Development (R&D)
- Aerospace Engineering
- Manufacturing Technology
- Automobile Engineering

Personal Trait

- Creative, logical and approachable
- Problem solving ability and Charismatic
- Co-operative, keen observer and Honest
- Self-Motivated, Energetic and confident
- Technological and Educated
- Competitive, Diligent, Focused
- Friendly and Easygoing
- Team Leadership

Personal Profile

Date of Birth : 11.05.1995

Gender : Male

Marital status : Single

Languages Known : English, Hindi, Gujarati, and German (A1 Level)

Permanent Address: C-6, Bansi Flats, Behind Cambay Hotel, Near Jivrajpark
Railway Overbridge, Jivrajpark, Ahmedabad

Hobbies : Watching Movies & Informative Shows like Discovery,
Net Geo channels, Playing Cricket.

Declaration

I hope you will consider my application sympathetically and call me for a personal interview. I assure you that shall work honestly and sincerely and try my best to satisfy my superiors with my work.

NAME: Parth Suthar

PLACE: Ahmedabad