

SONAL PADULE

Mechanical Design Engineer

Asha Shankar Apartment, Vidya Nagar lane 1, New Sanghavi, Pune – 411027

Mobile no: +91 - 9970332097/+91-9518918857

E-mail: sonalpadule40@gmail.com

OBJECTIVE:

To acquire position in an organization wherein, I can apply my knowledge in the area of mechanical engineering, which would form out my personal and professional growth and helps me to contribute effectively to the growth of company.

EXECUTIVE PROFILE:

- Extensive knowledge of Computer Aided Design, Drafting and GD & T.
- Superior ability at three dimensional model design using SOLIDWORKS , AUTO-CAD, CREO, CATIA and UG-NX.
- Result oriented Professional with creative problem solving and troubleshooting abilities.
- Excellent Communication and Interpersonal skills with greater flexibility and discipline.
- Ability to learn and work in evolutionary manner.

SKILLS:

Work and Hands on work experience in 3D Modeling, Assembling, Detailing and Nesting of parts using tools such as

- CAD Software: AutoCAD, SolidWorks , CATIA, Creo, NX and SolidEdge.
 - Part Modeling, Surfacing, Sheet Metal, Weldments, Assembly, Drafting and detailing with GD & T.
- Comprehensive knowledge of Mechanical Design and Manufacturing of sheet metal, plastic [Injection Moulding Process], forging, casting, Jigs and Fixtures.
- Excellent knowledge in Engineering Fundamentals, GD & T application, DFM and DFA.

EXPERIENCE SUMMARY:

- **Current Company:** Tirth Engineering
Designation: Design Engineer (Solidworks, Auto-cad)
Duration: January 2018 to till date

Machines designed:

- Food Processing Machines.
- Semi & Auto Fryers, Oil Saver Hydro Machine, Pedha Ladoo Making Machine.
- Atta mixing, Dough kneading , Papad Machine.

Roles :

- Responsible for Modeling, Assembling and Drafting of Components used in Food Processing Machines.
- Nesting of parts in AUTO-CAD.
- Responsible for Development and Orientation drawings of parts of Food Processing Machines by using AUTO-CAD software.
- Verification and correction of drawn components before it is delivered to Manufacturing Department.
- Responsible for making the Bill of Materials and Engineering Change Notices to proactively resolve technical design issues.
- Verifying and sorting out Bended parts.
- Inward inspection of materials.

- **Company:** AutoTrans Systems Pvt. Ltd.
Designation: Design Engineer (Solidworks,Auto-cad)
Duration: March 2017 to December 2017

Machines designed:

- 4 Roll Planetary Axis - Plate Bending Machine.
- 4 Roll Elliptical Axis - Plate Bending Machine.

Products:

- Plate Bending Machines
- Section Bending Machines.

Roles :

- Understanding the Specific Requirements of Customers.
- Responsible for Modeling, Assembling and Drafting of Components used in Plate Rolling Machine .
- Responsible for Development and Orientation drawings of parts of Rolling Machines by using AUTO-CAD software.
- Verification and correction of drawn components before it is delivered to Manufacturing Department.
- Responsible for making the Bill of Materials and Engineering Change Notices to proactively resolve technical design issues.

PROFESSIONAL TRAINING & CERTIFICATIONS:

Completed professional training in '**Creo 2.0**', '**CATIA V5 R2016**' and '**Siemens NX 9.0**' from CAD CAM GURU Solutions, Pune for 6 months duration respectively.

- Having extensively good knowledge of GD&T and its applications.
- Better understanding of Isometric Drawings and Orthographic Drawings.
- Better understanding as to how to approach an Engineering Drawing.
- Well verse enough with Creo, CATIA and Nx software and its applications.

Certified Design Engineer from CAD CAM Guru, Pune.

Certificate includes

- Certification of CatiaV5 from Dassault systems
- Certification of Creo 2.0 & 3.0 from PTC [Parametric Technology Corporation]
- Certification of Unigraphics NX 9.0 from Siemens

EDUCATION:

Graduation: Bachelor in Mechanical Engineering with 61% from Dhole Patil College of Engineering, Wagholi, Pune in the year 2015.

H.S.C. : H.S.C. from Shivaji Mahavidyalaya, Barshi, Pune .

S.S.C. : S.S.C. from Sulakhe High School, Barshi, Pune

PROJECT UNDERTAKEN:

Title of Project: Effect of Porous Media on the Performance of the “Double-Pass Flat Plate Solar Air Heater”

No. Of Members: 4

PROJECT UNDERTAKEN AT CAD CAM GURU:

CATIA V5 - Radiator Tank Cover

EXTRA CURRICULAR ACTIVITIES (Industries Visited):

- DSK TOYOTA, Pune.
- Pandit Automotive, Pune.
- Katraj Dairy, Pune.
- Mahalaxmi Vidyut Private limited, Tilari.

ACHIEVEMENTS:

- Actively participated in RoboOpus-2012 Organized by Indian Institute of Technology, Delhi.
- Actively participated in various CAD competition held in other college.
- Participated in various cultural activities.
- Secured first prize in Hair style competition held in the college.
- Secured second prize in Funfair competition held in college.
- Secured second prize in Table tennis competition held in college.

OTHER CORE AND VALUABLE POINTS:

- Good listener, self-motivator
- Tackling the situation and finding the best solutions.
- Hardworking and Creative.
- Adaptable to any environment.
- Good level of grasping new thing.