

Akshay Jadhav

Mechanical Design Engineer

PERSONAL STATEMENT

Mechanical Design Engineer with more than five years' experience providing technical design directions on mechanical products, machine parts, components & hardware. Proficient at creating detailed mechanical drawings piece parts & assemblies from Autodesk Inventor & Solidworks models. Adept in maximizing form, fit & function through meticulous design model evaluation. Backed by advance skills in ERP systems & database/data storage programs.

WORK EXPERIENCE

MECHANICAL DESIGN ENGINEER

THYSSENKRUPP INDUSTRIES INDIA PVT. LTD. MAY 2017 – PRESENT

Responsibilities:

- ☐ Designed & developed material handling equipments & heavy machineries.
- ☐ Equipments worked on- Paddle feeder, Plough diverter, Movable plough diverter, Travelling tripper.
- ☐ Carried out design calculations & load data calculations.
- ☐ Performed capacity requirement & sizing calculations.
- ☐ Selection of material of construction for products.
- ☐ Selection of bought-out items i.e. hydraulic & electric accessories for equipments.
- ☐ Modeling equipments parts & assemblies using Autodesk Inventor & Creo.
- ☐ Managing all phases of design process for multitude of products, components, parts, assemblies & sub-assemblies including drafting, dimensioning, tolerancing, prototyping & documenting results.
- ☐ Prepare GA drawings of equipments with project specifications.
- ☐ Prepare fabrication drawings with proper GD&T using AutoCAD.
- ☐ Selection of manufacturing processes depending upon products.
- ☐ Preparing Bill of materials.
- ☐ Maintaining project documents in SAP system.
- ☐ Issuing Job release memo's for fabrication.
- ☐ Overseeing mechanical design phases from concept through the production.
- ☐ Confirming compliance with design standards.
- ☐ Preparing estimation for new equipments enquiry.
- ☐ Preparing drawings & releasing purchase requisitions for spare orders.
- ☐ Providing necessary assistance for revamp project

CONTACT DETAILS

Address:-Gujarat colony,
Kothrud, Pune-411038.

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SKILLS

- ☐ Critical Thinker
- ☐ Multi- Task Management
- ☐ Energetic & Organized
- ☐ Quick Learner
- ☐ Self Motivated
- ☐ Team Oriented

MICROSOFT SUITE

- ☐ Excel
- ☐ Word
- ☐ PowerPoint
- ☐ Outlook

LANGUAGES

- ☐ English
- ☐ Marathi
- ☐ Hindi

INTERESTS

- ☐ Design & development
- ☐ Manufacturing
- ☐ Automation
- ☐ Travelling
- ☐ Reading
- ☐ Sports

AWARDS

- ☐ Leadership Excellence Award

- ☐ Travelling to the project site when necessary to analyses problem in installation & operation.
- ☐ Provide assistance to site team for erection & commissioning.
- ☐ Preparing schedules for projects submission & insure to adhere it.
- ☐ Collaborating with engineers in other teams for smooth working of project.
- ☐ Perform supplementary actions in inter-departmental activities.
- ☐ Worked on plant design projects of cement plants.
- ☐ Prepared plant layouts & GA drawings for cement production equipments.
- ☐ Modeling cements production equipments in PDMS.

PROJECTS

- ☐ L&T CHP
- ☐ S.K.Samanta CHP
- ☐ NTPC CHP
- ☐ DOOSAN CHP
- ☐ NALCO CHP

EDUCATION

Course	Institute	Year	Percentage
Advance Post Graduation Program in Product & Tool Design	MIT skills, Pune	2017	70
Bachelors of Mechanical Engineering	D.Y.Patil College of Engineering & Technology, Kolhapur.	2012-2016	65.88
HSC	Vivekanand College, Kolhapur	2012	74.83
SSC	Private High School, Kolhapur	2010	92.55

CORE COMPETENCIES

- ☐ Autodesk Inventor
- ☐ AutoCAD
- ☐ Solidworks
- ☐ Creo
- ☐ SAP
- ☐ Mathcad

ACHIEVEMENTS

- ☐ Received "Leadership Excellence Award" for contribution of new product development.