

CURRICULUM VITAE

Total Experience: 3 Year

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Career Objective:

To take a challenging and high performance oriented role in the field of Design engineering and implement the expertise and experience gained in this field to develop complex project with efficiency and quality.

Strengths:

- Good communication skill to present points precisely and clearly.
- Having good problem solving ability and analytic skill to solve the problem efficiently.
- A good team player and have excellent interaction skill to coordinate and work within a team.
- Have expertise in working with various operating systems.
- Good deliver output in less time without losing efficiency.

Academic Background:

Degree/Certificate	Board/University	School/College	Year of Passing	Percentage
B.E In (M.E)	Anna University	Ambal Professional Group Of Institutions ,CBE	2021	62%
Diploma In CAD/ CAM/CAE	Technical Board	UMS Technologies Training Center (G.D) ,CBE	2019	64%
Diploma In (M.E)	Anna University	Suguna Polytechnic College,CBE	2016	62%
S.S.L.C	State Board	M. Nanjappa Chatter Matriculation Higher Secondary School , CBE	2013	64.6%

Specialization:

- AutoCAD (2D&3D)
- Solid Work
- Creo
- Cero Advanced
- Creo Mold
- Master CAM
- CNC Lathe & Milling
- Ansys WB
- Kiss Soft

Projects:

- Diploma project - Accident Avoiding System In Punching Machine.
- CAD,CAM,CAE Project- Laptop Cover Using Creo 6.0,Creo Mold, Master CAM,& Ansys WB.
- Engineering Project- Solar Powered Drainage Cleaning Machine.
- Reverse Engineering project for **linga Pvt.Ltd** New Coir Machine Using Solid Work, Auto CAD, Ansys WB, Kiss Soft.
- Research And Development for **Acrex engineering Pvt.Ltd** Drum Motor Using Solid Work Ansys WB.
- Design For **Zeal Faron India Pvt.Ltd** Sheet Metal of Coir Machine Using Solid Work.
- Service for **Sakthi Drives LLP** gear box.

Professional Experience:

S.no	Company	Department	Position	Software	Job Role	Duration
1.	Sakthi Drives LLP	Design And Development & Research & Development	Junior Design Engineer (mechanical)	1.Solid Work 2.Creo 3.MasterCAM 4.Ansys 5.Auto CAD 6.kiss soft	Research And Development Design & Developing Reverse Engineering Project	Apr 2018 To Present
2.	Zeal Faron India Pvt.Ltd.					
3.	Venkateswara Steels & Springs Pvt.Ltd.	Design And Development & Research & Development	Senior Design Engineer (mechanical)	1.Auto CAD 2.Draft Sight	Research And Development On Existing & New Product And Tool Design ,Gauges	Jan 2018- 2018 Apr
4.	Lakshmi Machine Works Limited.	Design And Development	Junior Design Engineer (mechanical)	1.Solid Work 2.Auto CAD	Design & Developing The Part And Drafting	Jan 2017- 2018 Dec

Professional Experience on Software:

S.no	Software	Software Profile	Experience
1.	1-AutoCAD (2D&3D) 2-Solid Work	CAD CAD	1.4 Year 1 year
2.	Creo	CAD,CAM	6 Month
3.	Master CAM	CAM	6 Month
4.	Ansys	CAE	1 Year

Professional Trainings /Certifications:

- UMS Technologies Training Center

JOB RESPONSIBILITY

- Design and simulation of different types of Tools and Machineries based on needs of customer.
- Drawing of detail parts & assembly drawing with Bill of Material in AutoCAD, SolidWorks, and Creo.
- Provide professional training on Mechanical Drawings, 2D &3D design, surface & Sheet metal modelling & their Assemblies, 2D drafting, dimensioning, and layout management in SolidWorks & Creo.
- Trained the students for professional Design & analysis with FEM & FEA in ANSYS & SOLIDWORKS.
- Design & analysis with FEM & FEA in ANSYS & SOLIDWORKS on Plastic Processing Machine and other mechanical components.
- Research on New Product Development (mechanical & electrical) and simulation by using CAE software (like SolidWorks, ANSYS, Creo).
- Technical documentation according ISO 9001:2008 & 9001:2015 standards.

Technical Skills:**1. CAD Skills**

- Expert in Orthographic, Isometric and Perspective Drawing in AutoCAD.
- Expert in 2D&3D sketching, Part modelling, Configuration, Surface Modelling, Weldment, Sheet metal Modelling, Mould on SolidWorks & Creo.
- Expert in Bottom-up, Top-Down Assembly, Subassembly Assembly in SolidWorks & Creo.
- Expert in MBD (Model Based Design) of parts and assembly.
- Expert in optimization of technical issue in design and manufacturing,
- Good knowledge of rendering, motion study, mechanical assemblies and designing of electrical & electronics Components.
- Knowledge of Project Planning, Scheduling & Costing of multiple projects by using MSP.

2. CAE Skills

- Good knowledge of solid mesh, surface mesh and discretization of elements by using FEM.
- Expert in static structural, static thermal, transient structural & transient thermal analysis.
- Expert in modal analysis, explicit dynamic analysis, frequency calculation and FOS calculation.
- Good knowledge of stress, strain and deformation calculations.
- Knowledge of design optimization after product analysis.
- Good knowledge of Indian standard material to resolve technical issues like fracture, fatigue, creep, corrosion Etc.

Interests:

- Design Engineering.
- Automobile Design.
- Research & Development.
- Gear Design and service

Personal Information:

Date of Birth: 24-11-1997

Gender: Male

Nationality: Indian

Marital Status: Single

Languages Known: Tamil, English and Hindi

Age: 24 years

Hobbies: Listening music, playing, Book Reading and like peace in life

Current CTC: 1.5 LPA

Declaration:

I hereby declare that the details given above are true to the best of my knowledge.

Date:

Place:

(D.M.J.Suganthan)