 SAYYED

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JOB OBJECTIVE

To seek challenging assignments in Mechanical Engineering with a growth oriented organization.

PROFILE SUMMARY

* A dynamic professional with over 3.2 years of experience in Product Development for Defense and Aerospace Systems.
* Extensive knowledge in the design of ruggedized and customized mechanical enclosure.
* Proficiency in Geometric Dimensioning and Tolerance (GD&T) and in creation of 2D drawings.
* Basic knowledge of PLM and BAAN IV.
* Involved in developing design, material selection and reverse engineering.
* Knowledge in Pining Layout Design & Drafting, Fittings, Flanges, Valves.
* Adept in handling end-to-end development of mechanical products which includes gathering and analyzing system requirements, generating high level as well as detailed design, development and documentation.
* Expertise in ramping up projects with competent cross-functional skills and on time execution.
* An effective communicator with good interpersonal skills.

CORE COMPETENCIES

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| Design Tools | NX UNIGRAPHICS 10, AutoCAD 2010, CATIA , PLANT DESIGN MANAGEMENT SYSTEM (PDMS) |
| Documentation Tools | Microsoft Office , Crystal Reports, Baan |
| Cognizance of | Solid Edge, Ansys |

EDUCATION

Bachelor of Engineering (B.E) in Mechanical (2009-2013) with an aggregate of 60.31% from Vivekananda College of Engineering & Technology, Puttur, Visveshwariah Technological University (VTU), Belgaum, Karnataka, India.

Post Graduate Diploma in **Piping Layout Design Engineering** (2017) from Magnus Global Tech, Bangalore.

* Piping Design and Drafting Techniques using PDMS.
	+ Fundamentals of Piping Layout Engineering.
	+ Preparation of Pipe routing, BOM, BOQ, MTO and Iso draft.
	+ Understanding of engineering drawings such as P&ID,GA,ISOMETRIC,EQUIPMENT SPECIFICATION DRAWING.

ORGANISATIONAL EXPERIENCE

Since Feb’14 with LARSEN & TOUBRO (L&T), Bangalore as Design Engineer.

ROLES AND RESPONSIBILITIES

* + Preparing basic conceptual design as per customer proposal.
	+ Detailed engineering design and development of product by considering conceptual design.
	+ Preparing hand calculations for detailed design.
	+ Optimizing the design for manufacturability, design for Assembly and provide cost effective solutions.
	+ Interacting with vendors for getting quotation and manufacturing feasibility of product
	+ Preparation of overall BOM with the manufacturer’s part number and generating report using “Crystal Report” tool.
	+ Preparation of Detailed 2D Drawings for fabrication and assembly by using Unigraphics, AutoCAD 2010.
	+ Creation and verification of Part Drawings, General Assembly, Layout and BOM for Printed Circuit Boards.
	+ Verification of CAD drawings and releasing them for fabrication.
	+ Follow-up with the vendors during fabrication and make necessary changes during development for ease of manufacture.
	+ Support assembly process during initial sample assembly.
	+ Preparing product technical information and complete database.
	+ Co-ordination with the team members to meet the delivery schedule.
1. Project #1

Name : CIU PCB Test Jig

Client : Aeronautical Development Agency (ADA), Bangalore

Description : CIU PCB Test Jig is envisaged to automate the testing process for functional checks and performance checks of the cards in Cockpit Interface Unit (CIU). It is a 23U test jig which includes a connectivity box where the cards would be plugged in for testing purpose.

Environment : Unigraphics, AutoCAD2010, MS Office

Skills : 2D Drawing, Modeling

Duration : 5 months

1. Project #2

Name : Dual Technology Mine Detector (DTMD)

Client : Indian Army

Description : The primary purpose of this project is to detect mines, which are hidden inside the ground. As a system it contains display handle, telescopic handle, Radom, battery box and electronic system. Main constraints were human ergonomics and weight of it. It has high accuracy to detect mines.

Environment : Unigraphics, AutoCAD2010, MS Office

Skills : 2D Drawing, Modeling

Duration : 7 months

1. Project #3

Name : Automated Test Equipment for Gunner’s Control Box (GCB) & Commander’s Handle Electronics (CHE) (ATE-GCB&CHE)

Client : Combat Vehicle Research & Development Establishment (CVRDE), Chennai

Description : ATE for GCB & CHE is envisaged to automate the testing process for functional checks, performance checks, troubleshooting and tuning of cards.

Environment : Unigraphics, AutoCAD2010, MS Office

Skills : 2D Drawing, Modeling

Duration : 6 months

1. Project #4

Name : Integrated Stand-By Instrument System (ISIS)

Client : Hindustan Aeronautical Limited (HAL), Bangalore

Description : The objective of the unit is to display aircraft altitude, aircraft speed. ISIS is intended to serve as backup in case of failures in a glass cockpit instrument system, and thus is designed to operate as reliably and independently as possible from the aircraft's main instrument system, with sensors. It’s a highly precise and complex unit.

Environment : Unigraphics, AutoCAD2010, MS Office

Skills : 2D Drawing, Modeling

Duration : On going.

PERSONAL DETAILS

Date of Birth : 27th January 1991

Nationality : Indian

Languages : English, Hindi and Kannada