



# SRIDHAR KUMARAESAN

## Design And Manufacturing Engineer

### Contact Me

+919994583357  
sstpgit1813@gmail.com

3/1416, thennamara  
Street,  
Svnagaram,Arni,TV  
malai dt -632317  
Thiruvanamalai ,India

### Other Info

#### Skills

CREO, Solid works, AutoCAD,  
Catia, Ansys, Solid Edge and  
NX

#### Awards

- Won first prize in paper presentation at University College of Engineering, Arni-01
- Won third in paper presentation at Anna Mira College of Engineering & Technology, vellore-17.
- Won first prize CAD modelling at University College of Engineering, Arni-



### About Me

Seeking a position of CAD modeller in your firm by leveraging my design knowledge and proficiency in CAD and CAE tools for the improvement of the company's manufacturing processes.



### Experience

2023 - 2024

**IIT MADRAS CHENNAI TAMILNADU | Admin Assistant**

Job responsibilities

- Designed and developed mechanical parts of hand rehabilitation robot Designed and developed a passive mechanism for a hand rehabilitation robot 3-D model optimization and slicing for 3-D print production 3-D printer maintenance and cleaning Does clinical trial to test the usability of the developed product.
- Coordinated with mechanical, electrical and electronics engineers to ensure timely delivery with deadlines
- Responsible for sending out requests for Quotes,
- Responsible for executing purchase orders with vendors. Expedited orders to meet delivery requirements.
- Managing inventory and logistics of the project every month
- Making drawing of overall assembly and parts detail

01.

- Won second prize in CAD modelling at Annai Mira College of Engineering & Technology, Vellore.
- Won the prize in cad modelling at Thanthai Periyar Govt. Institute of Technology, Vellore-02.
- CAD Modelling of Hydrogen Bromide plant.

## Languages

English  
Tamil

## Interest

- Designing and Drafting
- Staffing and Educating the Technicians
- Manufacturing and Development
- Cost estimation of product

- Design of plastic and vacuum casting part

2019 - 2023

### VBK FIBREO TECH INDUSTRIES | SENIOR ENGINEER IN PRODUCTION DEPARTMENT

Collecting the ideas from the customers and making the design plan with the required dimensions.

- Designing the exact requirement with the computer software and performing various analysis to attain the design competence and more stability of the product.
- To convey the customer suggestions and reviews to the top management and modify the design plan if any changes.
- Ought to check all the process before and after designing such as collecting ideas, drawing, making BOM, budget quoting, CFT meeting, marketing (forwarding the design to the customer), modifying the design if any corrections and finally the production work.
- Improving the product quality by defect analysis in various stages and finding the root cause for the problem.
- If customer satisfaction is achieved then file the design picture as it is, otherwise allowing for certain modifications until getting customer satisfaction.
- As a shift in-charge, responsible for the manpower allocation and work allotment.
- Ensuring the presence and work of all the employees by coordinating with the HR Department.
- Preparing the weekly shift schedule according to the Dispatch plan.
- As per ISO standard, maintaining the records for all processes.

2018 - 2019

### BEST FAB TECHNICAL SERVICES | DESIGN, FABRICATION & SUPERVISING

A Passionate engineer with one year's experience in supervising and maintaining several production systems.

- Capacity of coordinating all the stages of

Designing and Production to the end stage of the product.

- Analyzing various manufacturing processes and identifying the improving areas.
- Supervising the team of mechanical engineers in a day-to-day manner about working efficiency.
- Ordering and purchasing the Raw Materials considering the efficiency of working and cost.
- Creating and maintaining documentation which includes service records, salary details, Bill collections, rework documents and functional evaluations.

Material Planning:

- Experience bases pre-checking the BOM as per Material Order/customer order up to functional, assembly and model level to minimize the in between delay and mistakes.
- Coordination with Stores for just in Time delivery of Materials during assembly process.



## Education

2014 - 2018

**Anna University | Bachelor Of Mechanical Engineering**

Graded with 7.2 CGPA