**M.L.HARSHAVARDHAN**

#1203 OPP Nalanda high school near carstreet Doddaballapur .

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**Professional profile**

Dynamic, competitive and automotive professional putting forth an experience of Approximately 4.8 years in the Design & NC Programming Sector. Excellent mechanical skills summed up with electrical knowledge in the areas of Sheet metal enclosure design, Extrusion Profiles, Design and Standardization of part & product.

**My Overall Skill And Experience:**

* Sheet metal Component Development.
* Product design and development with R&D works.
* Product standardization.
* Manufacturing process, production, Product Design & Development skill.
* Strong Communication, Organizational and Problem solving Skills.
* Hands on experience in proto type development of Sheet Metal components using AutoCAD, and Inventor.
* Sound knowledge of NC Programming
* Developed and debugged new CNC Programs, revised and enhanced existing CNC Programs for all types of CNC machines.
* Prepare CNC programs and automation of redundant and complex operations using CAM software.
* Creating the development drawings of the components for CNC TPP Punching.
* Ability to execute projects independently as well as a team Leader.
* Interacting with Customers, Vendors and Production / QA Department for the proto type Development of components and Tools.

**Professional Experience:**

Presently working as a Design Engineer cum CNC programmer in Rittal India Pvt Ltd since 2016

About Rittal India Pvt Ltd: Rittal India is a 100% subsidiary work for Germany, the world leaders in Enclosure Technology, employs over 500 people with a turnover in India of Rs 3 Billion.

The major customers are ABB, SCHWING SHETTER, HONEYWELL, SUZLON, SIEMENS, and YBL , HITACHI... Etc.

**My Roles And Responsibilities :**

* Handling the design part and Development of Sheet metal components such as enclosures, and accessories required to assemble the panel Considering Ingress Protection making enclosures for electrical panels. using AutoCAD and Inventor.
* Incorporation of Engineering Changes, Hand-calculation, Modeling, drafting using Inventor. Conducting Feasibility review, Product validation and follow up with customers as well as Suppliers for New Product Development
* Creating the necessary part model & Checking for design feasibility.
* Creating the assembly drawing using AUTOCAD 2014 and Auto Desk Inventor 2015
* Preparation of bill of materials (BOM) using SAP
* Generating NC Programs For All Type Of Small and large Enclosures with the use of Part Drawings, Generating Stud Programs for Automated Robo Operating Machines, Handling Special Type Prototypes, Minimize Punching Time, Process Optimize, Documentation, implementing Engineering Changes.
* Generating separate Programs for all complex parts that to for SS material in Laser machine in order to get more productivity by optimum utilization of material .

**Software Skills:**

* Auto Desk Inventor Professional 2015
* Autocad 2D Mechanical 2020
* Solid Edge V2.0
* Catia V5
* SAP Basics
* Wicam PN4000
* Stream laser Salvagnini
* Microsoft Office Package

**Accomplishments:**

* Improved old N.C. computer programs to increase productivity and ease of machining.
* Involved in solving manufacturing and quality issues utilizing root cause and analysis tools and implemented correct actions.
* Assured full technological documentation with CNC path, featuring and tooling information.
* Optimized CNC programs for cycle time reductions.
* Developed and debugged new CNC Programs, revised and enhanced existing CNC Programs for all types of CNC machines.
* Prepared CNC programs and automation of redundant and complex operations using CAM software.
* Developed new projects on manufacturing floor and recommended corrections and improvements for accuracy of programs and reduced costs.
* Documented and established standards; modified, adjusted and corrected existing standards to incorporate engineering changes.

**Academic Profile:**

* Completed Bachelor of Engineering in Mechanical sector in 2016 With an aggregate of 75% in R L jalappa institute of technology affiliated to Visvesvaraya technological university.
* Completed pre university course in 2012 with PCMB as specialized subject from Sri Kongadiappa PU college and obtained an aggregate 0f 83.16%
* Completed SSLC in 2010 with an aggregate of 83.04% in Nalanda high school .

**Academic project:**

Final year project on “GENERATION OF POWER THROUGH ROTATING WHEELS”

Description: Now a day’s energy production and conservation is a serious problem and the scarcity of energy is continuously increasing day by day due to rapid growth of population and standards of living. Hence we come up with a new idea that any rotating element possess some mechanical energy is converted in to electric energy which is the most required form.

**Other Technical Skills:**

* Ability to Work Individual as well as group member
* Good GD&T Knowledge and Hand calculations.
* Knowledge on 5S, TPM and ISO Documentation.
* Ability to Handle Complex designs as well as Good Knowledge in CNC Programming.
* Proficient in reading and understanding NC machine code (M and G code programming)

**Personal Profile:**

**Father Name :** Late M.S Lakshmi kantha

**Languages Known :** English, Hindi, Kannada, Telugu

**Hobbies** : Browsing internet, Playing Cricket, singing.

**Marital status** : Married

**Declaration:**

I hereby declare that all the particulars given above are true to the best of my knowledge and belief.

**Yours faithfully, M.L. HARSHAVARDHAN**