**Sudershan Gawali**

**Contact: +91-9767991389**

**E-Mail:** [**sudershangawali@gmail.com**](mailto:sudershangawali@gmail.com)

**Current Location: - Pune, India**

**Seeking middle level assignments related to New Product Design&Development (NPD) &Project Engineeringwith a growth oriented organization of repute.**

**AN OVERVIEW**

* **7 years 11 months**of experience in design, projects & development engineering on various mechanical disciplines.

♦Current role involves New Product Design &Development of LV Control Panel for Electricalenclosed control drives, which includes design of heavy enclosures,fabricatedfrom sheet metal.

♦Manufacturing Process for theAerospace components for **Israel Aerospace Industry**.

♦Design experience in Press tool, Jigs and Fixtures for the timer units of Washing Machines and Aerospace components.

* Experience inNew Product Design &Development**(NPD)** process and converting customer needs into technical solutions within the scope of schedule and cost.
* **DFSS(six-sigma)Green Belt Trained.**
* **CAD software’s:-** Autodesk Inventor'13, Unigraphics-NX7.5, Pro-E wildfire 5 (CREO),AutoCad’14.
* ON-SITE visit to **Eaton Corporation, Milwaukee USA**
* **B1 - Class USA Visa** Holder valid from Year 2014 to 2024.

**CORE COMPETENCIES**

♦Design Engineering Calculations♦Product Design♦Manufacturing process knowledge♦DFSS, FMEA, DFMA, VAVE♦ CAD software's, 3D Modeling & 2D drafting♦PLM♦GD &T♦UL♦ UL understanding

**ACADEMIA**

* 2017 **B. Tech in Mechanical Engineering**

From**Institution of Engineers India,***Secured CGPA of 7.33*

* 2010 **Post Diploma in Tool Design**

FromCentral Institute of Tool Design, Hyderabad, Telangana. *Secured 75%.*

* 2009 **Diploma in Tool, Die and Mold Making,**

From Central Institute of Tool Design, Hyderabad, Telangana. *Secured 79.99%.*

**ORGANISATIONAL EXPERIENCE**

Since **Nov’13** with **EATON Technologies India Pvt Ltd (EATON Corporation)**

**Job Profile: Associate Engineer – Electro-Mechanical Design & Development, for** electrical product portfolio consisting **LV Control Panel for Electrical enclosed control drives and Protection Devices.**

The EATON Electrical product portfolio of **Electrical enclosed control drives for motor control and protection** involves the design and development of low to heavy duty Sheet metal **ControlPanels /Enclosure**s.

**Role:**

* Execute complete new product design & development cycle for mechanical aspects from conceptualization, design & prototyping to product launch which also includes developing various product documents entailing drawings & specification study.
* Design of Enclosures for the Motor Control and Protection devices which range from 0.75 HP to 1000 HP which require the enclosure parts designed in Sheet metal and plastics.
* Design of Enclosures to meet the UL requirements and with NEMA types 1, 12 and 3R.
* Design and selection of electro-mechanical components, cables, enclosures, frames packaging and all associated materials.
* Follow design for six sigma (DFSS) methodology, Eaton Pro-Launch processes and conduct design reviews as per the Phases/Toll Gate processes.­­­

Since **Nov’13**with **EATON Technologies India Pvt Ltd (EATON Corporation)**

**Job Profile: SeniorDesign Engineering– Electro-Mechanical Design & Development, for**electrical product portfolio consisting **LV Control Panel for Electrical enclosed control drives and Protection Devices.**

The EATON Electrical product portfolio of**Electrical enclosed control drives for motor control and protection** involves the design and development of low to heavy duty Sheet metal **ControlPanels /Enclosure**s.

**Role:**

* Execute complete new product design& development cycle for mechanical aspects from conceptualization, design& prototyping to product launch which also includes developing various product documents entailing drawings & specification study.
* Design of Enclosures for the Motor Control and Protection devices which range from 0.75 HP to 1000 HP which require the enclosure parts designed in Sheet metal and plastics.
* Design of Enclosures to meet the UL requirements and with NEMA types 1, 12 and 3R.
* Design and selectionof electro-mechanical components, cables, enclosures, frames packaging and all associated materials.
* Follow design for six sigma (DFSS) methodology, Eaton Pro-Launch processes and conduct design reviews as per the Phases/Toll Gate processes.­­­
* GD&T Trainer
* Enovia site champion

**ACCOMPLISMENTS AND ACHIEVEMENTS**

* Appreciated for organising the Continuous Improvement event
* Appreciation from the cross functional team for training their teams on Enovia
* Continuous improvement in self-evaluation rating for the past 3 years with evaluation of second best in the organisation

**FromAug'10 – Nov’13**with**VEM Technologies Pvt Ltd,Hyderabad.**

**Customer Working for: -Israel Aerospace Industry, Israel. BDL, Hyderabad.**

**Job Profile: Design Engineer –Manufacturing Engineering Dept. (Development of Manufacturing Process and Fixture and Press Tool Designing)**

**Role:**

* Design and develop Blanking / Piercing Press tools for the Timer parts for Washing Machines and also working on designing of Progressive Tools for the Aerospace components
* Design of Jigs and Fixture for the Electro Pneumatic part manufacturing
* Preparing of manufacturing process sheets for the Aerospace components
* Manufacturing feasible study using DFM tools
* Creation of drawings for the vendors and suppliers for the preliminary manufacturing of the final components
* Creation of BOM for the press tool assemblies.

From **July’08 - July’09 withNRB Bearings Pvt. Ltd., Hyderabad.**

**Job Profile:TraineeEngineer – Assembling of Press tools.**

Provide press tools for the Mass production of the DC cages bearing and the thrust bearings.

**Role:**

* Work as an assembler of press tools for the DC cage bearings and the Thrust bearings.
* Dissembling of blunt press tool and re-sharpening of the Punches and Dies, Reassembling and moving the tools to the production
* Providing support on assembling of New tools
* Worked on Compound tools, Progressive tools and Trimming tools

**IT FORTE**

Cad Software: Proficient in Autodesk – Inventor 2013,AutoCAD 2014,

and Pro-E Wildfire-5.Certification in Unigraphics NX7.5.

System Software: Minitab Version 17 (DFSS tool)

PLM Software: Enovia

Project Management Tool: JIRA

**PERSONAL VITAE**

Date of Birth: 17thJuly, 1987

Marital Status: Married

Languages Known: English, Hindi, Marathi and Telugu

Present Address: Flat no 11, C Block, Shri Mahaganesh Nagri Society, KeshavNagar, Pune, 411036, Maharashtra India.