

# Arunraj M

Design Engineer

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## 📁 PROFESSIONAL EXPERIENCE

07/2023 – present  
Sricity,Tada,  
Andhra Pradesh

### **Alstom Transport India Limited**

Industrial Support Enginner

- **Layout Design** : Develop efficient and ergonomic layouts for industrial facilities, production lines, workstations.
- **Space Utilization** : Optimize floor plans and floor space allocation to maximize operational efficiency and accommodate future growth or changes in production requirements.
- **Equipment Placement** : Collaborate with equipment vendors and process engineers to determine the best placement of machinery, tools and production equipment.
- **Material Flow Optimization**: Identify and update the areas of improvement in material flow, storage and transportation to minimize handling time, reduce costs and ensure smooth production operations.
- **Safety and Compliance**: Ensure Layouts comply with safety standards. And Collaborate with EHS team to ensure a safe and complaint working environment.
- Tender project involvement for management feasibility.
- Station wise BOQ management
- Involved in Co-Engineering activity for new project with CFT
- CAPEX and OPEX monitoring and maintaining the balance sheet.

01/2023 – 07/2023  
chennai, Tamilnadu

### **Perfect Gears Pvt Ltd**

Design Engineer

- Works in collaboration with other project team members to produce high quality drawings and 3Dmodels.
- Responsible for Mechanical Design during New Product Development & Support process.
- To provide Hardware and Software CAD Systems Administration, Integration, Support, User guidance for core Computer Aided Design (CAD) & Product Data Management (PDM) toolset.
- To develop the stage wise process CAD drawing for the new product development projects with the customer technical parameter.
- Develop engineering designs with minimal supervision.

04/2022 – 01/2023  
chennai, Tamilnadu

### **National Switch Gears Pvt Ltd**

Design Engineer

- Preparation of 2D control panel layouts.
- Interpret and Develop existing designs.
- Designing and laying out new panels based on customer requirements .
- Generate and submit the BOM to the Purchasing Department.
- If the customer need the technical parameter with our approval drawing, when they put the comments with the drawing, then we will comply their requirements if possible.
- To receive the approved copy of drawing from the customer with the seal then the drawing will be released for manufacturing process.
- Develop an Electrical Engineering standards for the components and suppliers.
- Producing the necessary design reports and documentation.

- Panels should be design with the standards of IEC & IEEE.
- Complete "AS BUILT" drawing updates, and review updates/changes with other departments when required

05/2019 – 01/2021  
Chennai, Tamilnadu

**Southern Auto Components Pvt Ltd**

Graduate Engineer Trainee

- Make design changes on existing products.
- Control of Bill of Materials (BOM), CAD Models and Engineering Drawings
- Follow the process of a part from design to movement using the GD & T as per quality and production department principles.
- Follow up with the activity designers regarding CAD storage/loss.
- Pre analysis of the customer's needs and research and development of the requirements of products with the methods of design.
- Prepare the plans with detailed drawings that include the project specification and cost.

 **EDUCATION**

07/2015 – 04/2019  
Tirunelveli, Tamilnadu

**BE Mechanical Engineering**

Einstein College of Engineerring

06/2014 – 04/2015  
Tirunelveli, Tamilnadu

**Higher Secondary School**

St.Johns Higher Secondary School

06/2012 – 04/2013  
Tirunelveli, Tamilnadu

**SSLC**

St.Johns Higher Secondary School

 **SKILLS**

- CATIA
- MS Excel
- Autocad
- MS Power Point
- Solidworks

 **AWARDS**

**Assemble and Disassemble of IC Engine Internship Training**

Goodwin Motors, Chennai.

 **INTERESTS**

- Riding, Games

 **CERTIFICATES**

- Graduate Engineering Trainee at Southern Auto Casting Pvt Ltd
- Certification of CATIA and AUTOCAD softwares in cad institute chennai.

 **DECLARATION**

I hereby declare that the information furnished is true to be the best of my knowledge

**Arunraj M**