



# YUGAESVARI

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 Guindy, Chennai

## **PROFESSIONAL OVERVIEW**

Professional Engineer 4+ years of experienced specializing basics in injection molding of plastic parts and sheet metal fabrication for the automotive and aerospace industries and experience in New Product Development (NPD) and engineering documentation. Ability to identify and resolve product and process defects and improve operational efficiency.

## **EDUCATION**

- Central Institute of Plastic Engineering Technology – Chennai
- Completing DPMT with 85% – 2019
- St. Ebbas Girls Higher Secondary School – Chennai
- Completing school with 75% – 2016

## **KEY SKILLS**

**CAD Tools:** Creo, Auto-cad, Catia V5

**Design Expertise:** Plastic parts, Sheet metal, Casting, BOM, GD&T

**Processes:** NPD, ECN, PFMEA, PFD, Control Plans, Operation standard

**Quality Tools:** Inspection reports, Dimensional checks, Corrective actions

**Others:** MS Office, Cross-functional collaboration, Documentation

## **WORK EXPERIENCE**

### **ENGINEER**

Avalon technologies – Chennai, India – 04/2024– 06/2025

- Designed 3D models & sheet metal components in Creo.
- Handled ECN process, updating 2D & 3D models, and performed 2D–3D gap analysis.
- Involved in NPD activities: materialsourcing, trial planning, tool correction, and sample validation as per drawings.
- Created engineering documentation: BOM, PFMEA, PFD, Control Plans.
- Knowledge in injection molding and GD&T

## **AUTOCAD DRAFTSMAN / QUALITY**

Integrated audio and visual systems – Dubai, UAE – 06/2022 – 12/2023

- AV system design implementation in CAD
- Preparation of print to build drawings
- Creating technical drawing that communicate how something is constructed & Attention to detail
- Meeting with the lead designer for obtaining the approvals.
- Involved in Quality activities, products sourcing, Quality Reports with recommended corrective actions.

## **QUALITY ENGINEER**

Daxter tools – Mumbai, India – 07/2021 – 04/2022

- Make inspection reports of plastic parts and check all dimensions as per engineering drawing
- Create cooling plate using AutoCAD and make name plate in engraving
- Final inspection and parts submission for FAI
- Knowledge in plastic raw materials (Materials handled – PC, POM, ABS, NYLON, PET)

## **JUNIOR QUALITY ENGINEER**

BKEW – Chennai, India – May 2019 – May 2021

- Performed inspection of plastic parts with respect to drawings.
- Ensured compliance with design standards and documented results.
- Coordinated with production for corrections during quality issues.

## **PROJECTS**

**Plastic Design:** Developed plastic enclosure for a train upper closer, shell locking system for an electric box, and multi-use top plates for trolley applications.

**Casting Design:** Designed a machine outlet connector for an industrial machine, ensuring manufacturability and cost-effectiveness.

**Sheet Metal Design:** Created medical equipment trolley and electric cover lid box, optimizing strength and ease of assembly.

**NPD Contribution:** Supported new product development (NPD) by executing prototype builds, validating trial samples, and implementing tool corrections to meet functional and quality standards.