

RAJESH K

Plot no 5b, 3rd Street extension, Krishna nagar, Kasbapuram, Chennai – 600 126

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PROFESSIONAL PROFILE:

Skilled **Mechanical Engineer** with **5 years** of experience in Plastic product development, Sheet metal design, Casting products development, special purpose machine and also skilled using 3D and 2D CAD software like Solidworks, CATIA, NX and Auto CAD.

CORE COMPETENCIES:

- Sheetmetal Design
- Plastic product development
- Validation of prototypes
- Plastic trims modelling
- Assembly Fixture concept design
- Layout analysis
- Vehicle Integration
- Cross functional team communication
- SPM Design
- GD&T stackup
- Engineering Change management
- Problem Solving

PROFESSIONAL EXPERIENCE:

Greaves Electric Mobility (Greaves Technologies Pvt. Ltd. Payroll)

Design Engineer R&D: December 2022 - Present

- Plastic trims development as per design data received from styling team
- Concept development for plastic enclosures for vehicles
- Create sheetmetal trims from surface data provided
- Prepare 2D drawings for the sheetmetal and plastic parts
- Resolved escalation of vehicle and ergonomics issues
- Investigated and recommended changes in testing and implementation process.
- Review the body and shape of vehicles and recommend user-centered features
- Create and test prototypes of products before implementing them across vehicles.

Heat and Control (South Asia) Pvt. Ltd.

Junior CAD Engineer: June 2022 – November 2022

- Create sheetmetal and plastic enclosures and structures required for the food processing and handling equipment.
- Understand the manufacturing capabilities of the shop floor and create sheetmetal products
- Create 3D and 2D files for the developed sheetmetal and plastic design with compliance to standards
- Coordinate with the production team to clear any queries in fabrication.
- Create time estimate for the projects based on resource requirement and nature of work.
- Maintain CAD files in SAP PLM Document Info Record and document structures.

Changepond Technologies Pvt Ltd., Chennai.

Senior Engineer Projects: October 2018– June 2022

Sheetmetal enclosures and Weldment design:

- Designed sheetmetal and Plastic enclosures for electrical cabinets, SPM enclosures and Switch gear cabinets etc.
- Prepare 2D drawings in compliance to the client standards
- E-house design for power distribution lines
- Structural design development as per required standards.

Gear Box Reverse Engineering:

- Reverse engineering the customer's Gear box input.
- Redesigning gear box from casting to fabrication type.
- The developed gear box casing is provided with required lubrication ports and provisions to support sensors.
- Preparing fabrication drawings for the developed gear box with necessary manufacturing details in accordance to the customer standards.

Casting Products development:

- Developed 3D models for casting products for various equipments like pump, motors, valves etc.
- Prepared detailed drawings for developed casting models.

EDUCATIONAL QUALIFICATION:

- **B.E. – Mechanical Engineering** (2014-2018) with CGPA **7.68** Thangavelu Engineering College (Affiliated to Anna University, Chennai)
- **HSC – 2014** passed out with **84.5%** in Zion Matriculation Higher Secondary School, Selaiyur, Chennai
- **SSLC – 2012** passed out with **89.2%** in Zion Matriculation Higher Secondary School, Selaiyur, Chennai

TECHNICAL SKILLS:

- **CAD Software :** Solid Works, Autodesk Inventor, AutoCAD, CATIA, NX 12.0
- **PLM software:** SAP in inventor.
- **Other Skills :** MS PowerPoint, MS Word, MS Excel

PERSONAL PROFILE:

Name	Rajesh K
Date of Birth	05-July-1997
Gender & Marital Status	Male, Single
Nationality	Indian
Languages Known	English, Tamil

I hereby declare that the above furnished details are true to my consent and knowledge.

Date:
Place: Chennai

Regards
Rajesh K