

ABHISHEK KUMAR GUPTA

Contact: +91 9648609796

Total working experience: 5.5Years

Email: abhishekkumargupta812@gmail.com

Plastic trims experience: 4Years 10Months

OBJECTIVE:

To seek a challenging career in the area of Automotive **Research & Design** in a competitive work environment to utilize my skills in CAD and perform efficiently in the organization and to be part of a highly motivated team that offers professional growth while being resourceful, innovative and flexible.

Profile Summary:

- ⇒ A competent professional with 4.10 years of experience in Design and Development of Automotive Plastic Trims. Presently working as, a Sr. Design Engineer at **Simple Energy Pvt. Ltd.**
 - Having 2Years and 5months experience of Automotive Plastics **Exterior Body Panels** Trims Design for 2W EV.
 - Having 2Years and 5months experience of Automotive Plastics **Interior Body Panels** Trims Design and development for 4W passenger vehicles.
- ⇒ Technical skills:
 - Having Work experience on Plastic product design and development.
 - Good knowledge of plastic Injection Molding Process and Tooling.
 - Good knowledge of Design guidelines for Plastic Molded Parts.
 - Having work experience of DFM,DFS and DFA.
 - Work experience on 2-D manufacturing drawing generation, manufacturing processes, GD&T in various std.
 - Having good proficiency in the software like **UGNX, TEAM CENTER, JIRA** and **AutoCAD**.
 - APQP, ECN activity, Design team documents for IATF Audit.

-: EXPERIENCE DETAILS :-

M/s Simple Energy Private Limited, Bengaluru
Senior Design Engineer (Plastics Trims)

March 2023 – Current

Job Responsibilities:

- Study the project milestones timeline Proto to Production development.
- Responsible for 3D modeling, drafting, assembly and Integration with **UGNX**.
- Study the Benchmarking, features analysis, engineering model and drawing preparation and release.
- Study the class-A surface styling feasibility and giving feedback for changes based on product/process requirements
- Making Assembly sequence & Master section.
- Concept proposal of engineering mounting features as per tooling direction and panel structures.
- Making close volume by creating B-surface and C-surface as per A- surface and environment parts.
- Checking the tooling feasibility of designed parts such as Tooling direction, Parting line, Slider/Lifter construction.
- Designing parts as per plastic design guidelines & DFM and DFA considerations.
- Interacting with suppliers regarding DFM issues.
- Studying CAE reports, Assembly, and service study, making design changes.
- Designing & Assembling the parts (prototypes) of vehicle for checking better fitment, functional requirements and validating gaps to improve fit & finish and vehicle integration.
- TO & T1 body panel fitment trail and solving issues. Implementation of ECN/ECR and reviews with CFT team.
- Modify 3D models that will consistent to mold/plastic constraints and clearance with other component as according Vehicle Layout.

Projects Handled:

- **Arrive:** Front fairing and Beak, Handle bar cover front/rear, Seat assembly, Storage box, Wheel well and Lower splash guard, Charger flap.

M/s Hero Electric Private Limited, Gurugram
Engineer R&D (Plastics Trims)

Nov 2021 – Feb 2023

Job Responsibility:

- Study the project milestones timeline Proto to Production development.

- Responsible for 3D modeling, drafting, assembly and Integration with UGNX.
- Checking styling surface for part irregularities and feasibility.
- Creating B surface as per a surface and environment parts.
- Creating new concepts for mountings parts as per panel and structure.
- Responsible for checking and maintaining Gap and Flush with mating parts in 3D modeling.
- Responsible for control and distribution of Drawing, 3D Cad data and ECN documents with Vendors and Internal department.
- Preparation, Modifying and checking of 2D drawing for development of all plastic body parts and uploading the drawing in server.
- Modify 3D models that will consistent to mold/plastic constraints and clearance with other component as according Vehicle Layout.

Projects Handled:

*Product design and development of plastic parts of **Optima** model. Some of the parts are mentioned below.*

Seat Comp, Luggage Box, License Light Cover, Battery Lid, Cap switch, Head light housing FR/RR, Battery Box, Controller Cover, Floorboard, Front fender.

M/s Sun-Vacuum Formers Private Limited, Gurugram Jr. Engineer (Design and Development)

Nov 2020 – Nov 2021

Job Responsibility:

- Responsible for all design activities including establishing, reviewing, updating project time plans as per Customer Milestone.
- Responsible for New Product Development as per requirement from OEM.
- Interaction with customers to ensure Quality of cad parts during joint checks & reviews on new product dev
- Preparations of technical PPT for Tech reviews spec meeting and attend the same.
- Mould Flow Report analysis for resolving Mould manufacturing and moulding issues and part feasibility study.
- Internal planning and follow to meet customer timelines.
- Involvement is GIS preparation and taking approval for texturing.
- Elimination of Plastic defects like sink mark, burn mark, warpage while attending tool trial.
- Design team documentation for Audit purpose (Like drawing issue records, Master/Obsolete list and ECN related documents etc.).

Projects Handled:

- Handle Back Door Switch, Cover Strg Column (Model-YFG, Client: MSIL)
- Louver AC Vents, Garnish IP Ctr (Model- YTA & YXA, Client: MSIL)
- CNG COMP Adopter (Model-YSD HB, Client: MSIL)

M/s Grintex India Limited, Gurugram (Onsite at TCS Limited, GG7) Engineering Cad Assistant (Design)

Feb 2020 – Oct 2020

Job Responsibility:

- Preparation of 2D drawings of assigned compartments of the ship.
- 3D modeling of ship equipment and platform as per given 2D and Integration using NX11

Projects Handled:

Integration, 3D modeling and 2D layout of Super structure and compartments of a boat.

M/s Sun-Vacuum Formers Private Limited, Gurugram Jr. Engineer (TR & Design)

Oct 2018 – Feb 2020

Responsibility:

- Produce parts 2D.
- Preparation of 3-D modeling, product drawings using UGNX.
- Design concept model from spec drawing.
- Checking manufacturing **Feasibility of CAD-Parts**.
- Prepare fixture concept, 3d modeling and their development.
- Reverse engineering.

- New **ECN feasibility** and **implementation** on customer requirements.
- Maintain IATF audit documents of Design Department (E.g. Drawing Issue List, Latest/Obsolete drawing list, ECN procedure docs etc.).

Projects Handled:

Product design and development:

- Y1K (Cap, Door Trim, Bracket IP Ctr, Boot retainer, Client: MSIL)
- YNC (Cap, Engine Start Hole, Cap Option SW Hole, Boot retainer, Client: MSIL)

Achievements:

- Participant in **World Skills India** in **Plastic Die Engineering** skill from May 2018 to October 2018. Trained to manufacturing of a complete mould individually to show skills and competed at **National level skill competition**.
- **1st RUNNER – UP** in **SKILL INDIA COMPETITION** at **STATE LEVEL (U.P.)** and **REGIONAL LEVEL (NORTHERN)** in **Plastics Die Engineering** Skill.
- **ALL INDIA RANKS** (with in all 32 CIPET centers)
 - 1- 9th in SECOND SEMESTER
 - 2- 9th in THIRD SEMESTER
 - 3- 16th in FOURTH SEMESTER
 - 4- 5th in SIX SEMESTETER

Academic Qualifications :

Exams	Board/University	Percentage	Year of Passing
Diploma In Plastics Mould Technology	CIPET, Lucknow (AICTE)	85.24%	2018
High School	UP Board	82.33%	2014

Prominent Attribute:

Hard Working, Quick Learner, Responsible, Cooperative and Thinker.

Personal Details:

Name : Abhishek Kumar Gupta
 Father's Name : Mr. Jitendra Prasad Gupta
 Date of Birth : 23 - 04 - 1999
 Marital Status : Unmarried
 Language Known : Bhojpuri, Hindi & English
 Hobbies : Cooking, Listening music
 Current Address : Vinayak Nagar 1st cross, Yelahanka , Bangalore-560063
 Permanent Address : Vill- Sakhini, Post- Kotwa Mishra, District- Deoria, U.P 274404

Declaration: -

I consider myself familiar with mechanical design and analysis aspects. I am also confident of my ability to work in a team at any place. I hereby confirm that the above details furnished are true to my knowledge.

Date :

Place :

(ABHISHEK KUMAR GUPTA)