

ATUL SANJAY PATIL

Contact Number: +91-8830046714

Email Id: atulspatil.005@gmail.com

SUMMARY

- Design Engineer with **2.0 year** experience in plastic parts design and development in automotive domain.
- Involved in various projects from various customers in all aspects of engineering and design practices from part studies and development of conceptual design to the implementation and carrying out of detail design considering manufacturing feasibilities as well.
- Good problem solving and decision making capabilities, coupled with excellent communication and interpersonal skills.

EDUCATION

- B.E. (Bachelors of Engineering) in Mechanical Engineering in 2016 from Savitribai Phule Pune University, Nashik , India.

SKILLS AND KNOWLEDGE

- CATIA V5 - CAD experience in Part modeling, Assembly, Drafting and Generative Shape design.
- Gained knowledge of Injection molding process, Thermoforming process/Vacuum-Forming, Roto-molding process, FRP Pattern Making , Knowledge Tool feasibility, packaging concept, sheet metal forming such as Die pad and punch making .

WORK EXPERIENCE

- **DESIGN ENGINEER in UMA ENGINEERS ,PUNE-411 044 (Dec 2017 to till date).**

ROLES AND RESPONSIBILITY IN PROJECTS

- Study the inputs from customer like Style, Gap and Flush requirements.
- Planning and co-ordination of day-to-day activities involved in a project.
- Customer requirement understanding & study, proposal preparation, project execution.
- Co-ordination with onsite engineer and with customer for daily work input and design iteration, quality and delivery.
- Responsible for quality checks, quality assurance for customer deliverables and review meetings and issue resolution.

**PROJECT
HIGHLIGHTS :-
Door Trim**

Project 01 :Map Pocket

Role : Design Engineer
Software : CATIA V5 R27
Highlight : **1. INPUT** : Style surface.

2. ACTIVITIES PERFORMED:

- Style A surface analysis for tooling feasibility.
- Creating B & C Surfaces as per given thickness and close volume.
- creating B side feature.

3. OUTPUT:

- a. Complete part design for map pocket as per style surface.
- b. Assembly of map pocket with Surrounding Part.

Project 02 : Door Bezel

Role : Design Engineer
Software : CATIA V5 R27
Highlight : **1. INPUT** : Style Surface

2. ACTIVITIES PERFORMED:

- Style A surface.
- Draft analysis carried out.
- Power copy of creation on the close solid.
- Developing the locating scheme with respect to gap between environment parts.
- Check Manufacturing Feasibility.

3. OUTPUT:

- a. Assembly of Door Bezel with Surrounding Part

Project 03 :Rear Quarter Trim(window glass left driver)

Role : Design Engineer
Software : CATIA V5 R27
Highlight : **1. INPUT** : Sheet Metal part

2. ACTIVITIES PERFORMED:

- Sheet Metal part feasibility check to forming.
- Define a tooling direction for forming.
- Remove undercut of that Part and divided into two form-I and form-II.
- Making Spring back model Of part.
- Making Die Pad Punch.
- Also form Restrike Tool.

3.OUTPUT: Checking ASM of die,pad and punch with part.

Project 04
Software
Customer

Highlight

:Packaging related project

:CATIA V5 R27

**: KTFL, JLR, PCL, MAHINDRA-CIE, ENDURANCE, KIRLOSKAR, FLASH
SKF, MARSHAL, FORD, NANO.**

: 1.Input:Customer packaging product like Shaft,gear wheel,camshaft,bearing,
oil pan.

: 2. ACTIVITIES PERFORMED:

- Design layout for maximum efficiency of input part.
- Set proposal in minimum cost as compare to now use.
- Replace wood and make into plastic.
- Process like Injection mold,Thermoforming,Rotomoulding.

PERSONAL INFORMATION

- E-mail : atulspatil.005@gmail.com
- Languages known : English, Hindi, Marathi.
- Date of Birth : 22-09-1993
- Permanent Address : At- Bhangure, Post-Ruikheda ,Tal- Muktainagar,
Dist:Jalgaon ,Maharashtra. 425 306
- Present Address :Sai Housing Society, Flat no-D9,Akurdi
Pune-411033

DECLARATION

I hereby declare that the above stated facts are true and complete to the best of my Knowledge and belief.

DATE :-

PLACE :- PUNE

ATUL PATIL