

ANURAG SINGH

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Contact: +91 8700422206

Key Expertise

- 7.5 years of total experience in Plastic Product Design for Automotive.
- Experience in Exteriors & Interiors Plastic trims.
- Adapt at managing design engineering operations involving design & development of interior & exterior plastic components for automotive.
- Good communication skills, team player and interpersonal skills to work with cross functional team to solve any problem.
- Manufacturing knowledge of plastic Product.
- Joining processes of plastic.
- Plastics design & manufacturing defects.

Domain Experience Summary

Domain	Years of Experience	Duration	Type of Projects	Role
Product Design L&T Tech Services Vadodara	-	July'22- tilldate	Interior trims design like soft trims, hard trims, rear view mirrors.	Senior Design Engineer
Product Design SMR - Motherson	6 months	Dec'21 - July'22	Rear view mirrors (Interiors and Exteriors)	Senior Design Engineer
Product Design Sphinx Worldbiz Limited	1year	Dec'20 - Dec'21	Two-wheeler Seat trim, Front Cowl, Rear Cowl and Shroud.	Senior Design Engineer
Product Design UB4WE Engg services Pvt. Ltd.	1 year 4 months	Dec'18 - March'20	Central console, Rear bumper and front bumper.	Design Engineer
Product Design Radhe Engg services and solution.	2 year 5 months	July'16 - Nov'18	Door panel.	Design Engineer

Work Summary

- Currently working as Interior trims senior design engineer for US based client.
- Worked in concept generation and design of plastic component.
- B side development of parts including mounting plans, part to part interface, Part strengthening etc.
- Dump model to style surface generation.
- Design for manufacturability DFM & DFA.
- Having good soft skills and communication skills.
- 3D models modification of component as per client's requirements using Catia v5.
- Creating 2D drawings with GD&T implementation.

Skills Summary

Domain	Interior trims design, Plastic Product Design, DFM, DFA & Drawings.
Tools	Catia V5 MS office PLM

Project Details (Product Design)

Program name: NV94, NV26, NV36

OEM: TESLA

Project parts: RVM, Hard Trims (Lift gate, A-B-C Pillar).

CAD Software: CATIA V5

Roles and Responsibilities:

- Benchmarking of the previous parts.
- Style creation from dump solid.
- Adjusting the assembly for camera covers according to the sensors for driver movement and cameras for outer view.
- Development of close volume and features needed as decided after benchmark for attachment.
- Proper tooling feasibility with parting lines.
- Made smooth transition in thickness in the feature area as the part thickness is less.

Program name: MMA

OEM: DAIMLER

Project parts: Camera Holder, Case Lower, Case Cap.

CAD Software: CATIA V5

Roles and Responsibilities:

- Benchmarking of the previous parts.
- Fixing Screw dome position in a way that the same holder can be used in LHD & RHD.
- Development of close volume and features needed as decided after benchmark.
- Proper tooling feasibility with parting lines.
- Plastic optimization for the product.

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Program name: ACLA

OEM: Hero Motocorp CIT

Project parts: Rear fender, Center upper cowl, Rear & Side cowl.

CAD Software: CATIA V5

Roles and Responsibilities:

- Benchmarking of the obsolete parts.
- Style analysis of studio surfaces.
- Making of close volume and the joining features needed.
- Checking gap and flush condition with the surrounding parts.
- Tooling feasibility.
- Replacing style surface.

Program name: Central console (VW413)

OEM: Volkswagen

Project Part: Side panel, Storage tray, Mat for the storage tray.

CAD Software: CATIA V5

Roles and Responsibilities:

- Feasibility studies of class 'A' surface.
- Followed sections for the making of the parts.
- Creation of close volume by developing B and C surface.
- Adding slider, lifter direction with respective tooling direction.
- Style Replacement.

Program name: Front Bumper

OEM: Skoda

Project Part: Front & Rear Bumper Cover, Impact Protection cover.

CAD Software: CATIA V5

Roles and Responsibilities:

- Class A surface feasibility.
- Concept design and data creation of plastic parts.
- Concept making for Rear Bumper.
- Creation of close volume for Rear Bumper parts.
- Adding slider lifter directions with respective MTD.
- Checking all parts as per check list for draft analysis, tooling feasibility and Clash analysis.

Educational Qualification and Personal Credentials

Graduation	B.TECH in Mechanical Engineering (Greater Noida College of Technology)
D.O.B	13/08/1994
Languages known	English & Hindi
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