

AKANKSHYA ROUTRAY

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Product designer with a proven ability to adapt in both self-starting and collaborative environments while staying focused on achieving high quality result under strict deadlines. Eager to obtain a challenging position at a prestigious company like dream version that will expand my learning and build upon my developer skills.

PROFESSIONAL SUMMERY

- Over 2.8 years of experience in product design & development on plastic component development & strong knowledge in surface design.
- Extrusion/Blow product design of packaging components
- Implementing the GD&T, stack up analysis to interpreted fit form & functionality of parts & products.
- Creating B Surface from A surface, closed volume creation, creation of B side surface for plastic components like map pocket, door carrier, Door substrates, speaker grill, Bezels, Arm rest and covers
- Design pillar trims for Body side BIW parts
- Design of attachments like locators and Dog house
- Design of strength features like ribs, screw bosses on B surface
- Good Knowledge in Sheet Metal design as per manufacturing feasibility.
- Strong knowledge of manufacturing phases required to bring concepts into productions & create detail drawings of parts & products.
- UGNX: - Part Modeling, Surface Modeling, Assemblies, Sheet Metal.
- Experience in Rendering, Concept Design & Concept Creating.

EXPERINCE

January 2021 - Present

ALPLA India Private Limited

Product:- Design of Automotive Interior and Packaging plastic components

Product Designer (R&D)

JOB RESPONSIBILITY:-

- Class A surface feasibility check with environment data, checking Curvature Analysis and Draft Analysis, Geometry checks and style comparison.
- Concept Design & Renderings. GD&T, Tolerance Analysis & Design Calculations.
- Design awareness of Sheet metal, Door Trims, Interior Trims and Plastic Product Design.
- Creating Close Volume as well as Draft Analysis, Parting Line, Tooling Direction from given styling surface.
- Creation of Design & Review Documents. Data Management in Team Center.
- Good understanding of Plastic materials and Plastic Defects.
- Remastering of metal bracket by using dump model and creation of history for part.
- Design of IM, EBM products & parts. Feasibility study of the 3Dpart & interact with customer in case of any changes in the part design required with respect to market analysis.
- Handling Products Mockup making process after creating 3D model using FDM & SLA for better understanding & as per customer demands.
- Project kick off meeting & Scope Documentation.
- Tools Used:- UG-NX, Key-shot, Adobe Creation, Team Center (PLM)

EDUCATION

- **CENTRAL INSTITUTE OF PLASTIC ENGINEERING & TECHNOLOGY (CIPET), Bhubaneswar**
Integrated Master of Technology (M Tech), Material Science Engineering, Percentage: 69.76% (2015-2020)
- **RAMADEVI WOMEN'S JUNIOR COLLEGE, Bhubaneswar**
Intermediate, Science, Percentage: 56.33% (2013-2015)
- **SARASWATI VIDYA MANDIR, Bhubaneswar**
Matriculation, Percentage: 85.67% (2013)

SKILLS

- UG NX12.0
- Team Center
- Plastic
- MS Office
- Interior Trims/Design
- Sheet Metal
- Key-shot
- CATIA V5
- GD & T
- Automotive Plastic Product Design

Worked on the Projects: Seat Recliner Cover, IP Side Cover, Fuse Box Cover, Map Pocket of Door, 'B' Pillar Design.

INDUSTRIAL TRAINING & CERTIFICATIONS

- One month Internship at **TATA STEEL, JAMSHEDPUR. (July,2018-August,2018)**
- Certified in CATIA V5 from **CTTC, Bhubaneswar (MSME, Govt. of India). (August,2018-September,2018)**
- **NPTEL (IIT Roorkee)** certified in **Structural Analysis of Nano-materials.**

DECLARATION

I do hereby declare that all the details furnished here are true to the best of my knowledge.

Akankshya Routray.