NAGA SATISH NAYUDU

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CAREER OBJECTIVE:

Seeking a challenging role where I can leverage my expertise in CATIA V5 to contribute to the development and refinement of interior components and systems. Committed to delivering high-quality designs while adhering to industry standards and project requirements. Looking to further enhancing my skills and taking on increased responsibilities in a dynamic and collaborative work environment.

WORK EXPERIENCE:

Product development & Testing Engineer in Agarwal Datamatics Pvt ltd, Hyderabad, from 1st April 2022 to 15th January 2024.

Job Responsibilities:

- Collaborate with the tendering department and vendors to develop project drawings, review specifications and related data to assess factors influencing component designs.
- Utilize CATIA V5 software to create 3D models, assemblies, and detailed mechanical component drawings.
- Provide product technical support and investigate customer comments.
- Manage the mechanical design evolution of existing products for quality improvement, customization, and adaptation.
- Coordinate with the purchasing department to suggest quality material purchases.
- Support manufacturing processes with accurate CAD models and drawings.
- Resolve shop floor problems by collaborating with production personnel involved in machining, assembly, and testing.
- Collaborate with cross-functional teams to define product requirements, specifications, and design constraints.
- Create comprehensive technical documentation, including 2D drawings, assembly instructions, and BOMs using CATIA V5.
- Utilize analytical and problem-solving skills to identify and resolve design issues, optimize product performance, and enhance efficiency.
- Manage design projects effectively through project planning, scheduling, and coordination to deliver results on time.
- Finally, securely store approved drawings and product technical data for repeated orders, while cataloging common components.

CAD Engineer in Deccan Realcon Pvt Ltd, Hyderabad, from January 2018 to March 2022.

Job Responsibilities:

- Creating and modifying 3D models and assemblies using CATIA V5 software.
- Generating detailed 2D drawings and technical documentation for manufacturing.
- Collaborating with design teams to develop product concepts and prototypes.
- Conducting design reviews to ensure compliance with project requirements and standards.
- Participating in design validation and verification activities.

PROJECTS:

CATIA V5 Software:

Project 1: Create the Base Bracket Plastic component through the given Class-A surface.

Project 2: To create Core and Cavity blocks for a switch bezel from the given class - A surface.

Project 3: Attachment Feature Creation (Dog House, Ribs & Screw Boss).

Project 4: Creation of the car Bumper in solid body with thickness of the component to be 3 mm and meeting the requirements of the draft angle and at the end, perform the draft analysis on the model.

Project 5: Design and develop the Wiring harness on the V6 Engine and Prepare flatten view drawing in CATIA V5.

Project 6: Route the wiring harness on the back door car part and Prepare flatten view drawing in CATIA V5.

Siemens NX Software :

Project 1: Design Hood Outer Panel, Inner Panel and the necessary reinforcements by following the Master Section mentioned with the Design parameters .

Project 2: Design a fender using siemens NX CAD.

Project 3: Design of backdoor using siemens NX CAD.

EDUCATION:

Post Graduate Program in Complete Passenger Car Design & Product Development, (Pursuing)
- Automotive Seating Design using CATIA V5
- Automotive Lighting Design using CATIA V5
- Automotive Sheet Metal Design using Siemens NX
- Automotive Class A surfacing using ALIAS

B.Tech Mechanical Engineering, Chintalapudi Engineering College(JNTU K), Guntur | Percentage 72.5%   **(2017)**

Diploma Mechanical Engineering, M.B.T.S Govt. Polytechnic institute , Guntur | 75.23%   **(2014)**

10th, T.M. Rao High School , Bhattiprolu, Guntur Dt. | 80.03%   **(2011)**

TECHNICAL SKILLS:

- CATIA V5
  - Part design
  - Assembly design
  - Generative shape design
  - Drafting and Documentation
  - Electrical harness routing
  - Catalog creation
- Auto CAD
- Siemens NX
- GD&T

CERTIFICATIONS:

- Completion certification in Automotive Plastic Design using CATIA V5.
- Completion certification in Automotive wiring harness using CATIA V5.
- Completion certification in Auto Cad 2D.
- Completion certification in Basic Microsoft Office - MS Word.

LANGUAGES KNOWN:

- English
- Hindi
- Telugu

PERSONAL MEMORANDA:

- Father Name   : Venkateswara Rao
- Date of Birth   : 10/06/1995
- Marital Status   : Unmarried
- Address   : 202, Jeevan deluxe, near BRR Bawarchi, Gandimisamma, Hyderabad , T.S-500043.