DHATCHINAMURTHY.C

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**Objective**

I look forward for a constructive environment to leverage my skills acquired in design and engineering and resolve challenges in automobile design and manufacturing.

**About me**

Mechanical engineering graduate with good reasoning ability and problem solving skills with experience in Design and engineering in automotive sub-systems.

**PROFESSIONAL EXPERIENCE**

* Design and Development of suspension system for commercial and passenger vehicles
* Creating drawings for sheet metal, machined components, tube assemblies using UG NX11.0
* Knowledge in Suspension Systems, Animation Data and 3DModellingand2DDrafting
* RFQ Design Release & BOM creation for suspension parts like springs, ABS, Strut,
* Extensive Knowledge in Digital and Teardown BenchmarkingAnalysis of Competitors
* Engine mounting bracket study.
* Knowledge in Clearance Checks of Chassis Components with Surrounding Parts & Systems
* creating assembly drawings and tube assembly drawings
* Experience in MIS Analysis of Suspension Components with Incident and Claims Data
* Suspension member system sheet metal 2d drawing creation
* Benchmarking of competitor Vehicles and Performing VAVE in Systems
* Design of Sheet Metal, Plastic, Casting & Forging Components.
* Suspension System/ Steering Parts Design & Development
* Able to handle team members and also co-operate with other department for Cross Functional Activities.
* Preparing technical documents for management review
* Team Center PDM, GD&T, MS Office.

**Software’s Known**

* **UG NX11.0** ( Design , Drafting , Mechanism Simulation. Routing)
* **CATIA V5 R20**
* **Auto CAD 2010**
* **NX PDM**

**Awards** & **Distinctions**

* Nissan GLOBAL CAD Certification for UG NX obtained C1 Rank
* Awarded For 100% First Time Right and On Time Delivery For Global Support Activity.

**Employer:** **Renault Nissan Technologies & Business Center India Pvt. Ltd.**

**Duration:** Nov 2021 Till now

**Designation:** SeniorDesignEngineer

**Department**: Vehicle Architecture / Integration for Platform & Upper body

**Current** **Responsibilities**

* Vehicle layout/ packaging and Digital Mockup Study(DMU).
* Extensive use of UG-NX, for layout study,
* Underbody packaging, engine room packaging,
* Use of Team center PLM for CAD data management.
* Performing all DMU/DMDR checks for each digital milestones, categorizing the concerns and negotiating with design sections to arrive best possible solution for packaging/layout concerns.
* Ergonomics Target setting & Check for Roominess ,Ingress & Egress, Operability, Visibility, Front & Rear Obstructions, Luggage volume, etc..
* RHD to LHD layout feasibility study done with considering least modification and Carry over concept.
* ABC Pedal measurement study Project PY1B.

Local Support

Nissan and Magnet SUV

* Ensuring Vehicle Quality in Plant (Renault - Kiger)
* Cost Reduction for regional market (Supplier Localization, Spec Optimization)
* BOM Check
* Suspension Parts RFQ Creation

**Professional Experience**

**Employer:** **Rajsriya automotive PVT limited Hosur.**

**Duration:** June 2020 – Oct - 2021

**Designation:** Design Engineer

**Department:** Design and development

**Roles and Responsibilities**

* Request for Quotation
* Concept design and Strip layout design
* Blank development and design calculation
* Tooling, machining and strip costing
* Designing the Press tool & Gauges using AUTOCAD 2016 2D drafting.
* Detailed Drawing of all parts and assembly using all necessary GD&T Symbols.
* Creating Bill of Materials for the assembly.
* Feasibility study of components for product design.
* Design of tooling’s and tool layouts for using UG NX 11.0.
* Preparation of setup approval inspections reports.
* Hands of experience in manufacturing processes such as Turning , milling, Grinding
* SPM Wire cut, and EDM

**Employer:** **Renault Nissan Technologies & Business Center India Pvt. Ltd.**

**Duration:** Jan 2012 – Dec 2019 (7 years and 10 months)

**Designation:** Product Design Engineer

**Department:** Chassis (Suspension Automotive system)

**Roles and Responsibilities**

* Suspension System layout study
* Design and development suspension system ,it’s using UG NX
* Good in paramedic modeling and detailing of suspension parts.
* Good in knowledge of car Hatchback / SUV suspension types.
* Design of Sheet Metal, Plastic, Casting & Forging Components.
* Packaging and mounting of suspension systems
* vehicle layout packaging and digital mockup study
* Knows functionally of suspension components.
* Preparing and maintaining DFM, DFA.
* Brake hose Bracket, Engine Mounting Bracket Design
* Working knowledge of various chassis structure types and their components.
* Understanding of chassis structure key interfaces and familiarity with manufacturing processes
* Highly motivated, proactive engineer.
* Brake Hose, Tube & ABS Harness Layout Preparation
* Suspension, member, TV link, Stab bar & installation 2D Drawing creation
* Good Knowledge and hands-on experience of GD&T for CAD model and drawings.

**Employer:** **Balaji press product India Pvt Ltd, Hosur**

**Duration:** OCT 2010 – NOV-2011 (1 year)

**Designation:** Assistant Engineer

**Department:** Design and Development

**Roles and Responsibilities**

* Feasibility study, Preliminary bill of material.
* Preparation of 3D Models of Components & Assemblies / Proposal Drawing
* Prototype Drawing Release & Proto Part Development.
* Design Review, Design Verification, Design Validation & for new applications.
* Ability in planning and processing of raw materials into final parts.
* Modification of Existing Designs/Drawings as per Customer Requirement.
* Interaction with customers regarding design review & feasibility.

**Educational Details**

* **B.Tech** in **Mechanical Engineering** in 2016 from SRM University, Chennai (Part Time).
* **Post Diploma in Tool Design** in 2010 from **NTTF** **Technical Center**, Vellore.
* **Diploma in Tool & Die making** in 2005 (Equivalent to Mech. Eng.) from PMC TECH, Hosur - 80%.
* Intermediate (10+2) from Govt. Boys higher secondary school Kaveripatinam. 60%.
* High school (10th) from Govt. Boys high school Kaveripatinam 60%.

**Personal Details**

Date of Birth : 19th Dec, 1986

Local Address : No,432 NH1, maraimalai nagar Umaru pulavar st, Chennai

Perm. Address : Gundalapatti po, KRP Dam Via, Krishnagri DT. Tamilnadu,

Language Known : English, Tamil, Kannada & Telugu.

Marital Status : Married

**Date:**

**Place: :** Chennai

Regards**,**

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