**Job Objective:**

With an instinct to become a competent individual and to work in a challenging and creative environment in Product Design & Development domain, I would like to reach the responsible position to achieve goals by utilizing my expertise, knowledge and creativity for the betterment of organizational needs.

**Profile:**

Product designer with cross functional expertise in design and development.

6+years of experience in the automotive product design, combining strong skills in engineering materials and manufacturing processes with business wisdom to positively contribute to Organizations bottom line.

* Established specializing in Engine Application, Vehicle integration, drafting and technical illustration
* Working on BSVI project.
* Background in R&D, Designing, Drafting, Value engg, ideas Concept finalization to Prototype assembly, testing & validation and Piloting.
* Facilitated corporate growth by designing innovative products and managing successful projects.

**Summary:**

* 7+years of total experience in Leading Automotive Concern.
* Experience in Engine Design. Also work on 3, 4 & 6-cylinder BSVI project as a Engine Design. (Peripherals- Exhaust System, Filtration system, Cooling System & Fuel System)
* Diploma in Mechanical from Government Polytechnic Arvi Maharashtra with 69%.

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**Company-  Cummins Technologies India Limited** (From June 2018 to Present)

(A Commercial Engine & Sub parts Manufacturer industry)

**Junior Manager Role & Responsibility.**

* Selection &Packaging of parts in existing for the variants as per market requirement.
* Working for the engine customization as per business requirement.
* Selection & Packaging of Air Brake Compressors & Filters i.e Coolant, Air & Oil plumbing, Filter etc.
* Handling new projects with existing engine, EBOM integration, Design tracking for Exclusive parts, Engine build.
* 3-D modelling, Part drawing, Installations and co-ordinating for CAE analysis for above systems.
* Preparation of Design Standards, Design Inputs, and Design Reviews.
* Design Feasibility discussion with supplier for the various parts of engine.
* DFA, DFS and DFM to be conducted as per Cummins process.
* Coordination for Proto part development & proto assy.
* Testing and Validation plan finalisation for existing design systems i.e. Filtration system
* Completion of annual target for cost reduction & weight reduction.

**Projects Undertake**

* Worked on Chrysler MY25 Single module & dual module filter RFQ.
* Design project for Doosan Filter head design.
* Worked on reverse engineering for MAN.
* Value engineering project from Idea generation to final implementation.

**Company-  Volvo Eicher Commercial Vehicle Limited** (From March 2016 to June 2018)

(A Volvo Group and Eicher Motors joint venture)

A Commercial Vehicle industry, held ISO 9001:2000, providing a wide range of light, medium and heavy commercial vehicles to the CV Customers.

**Junior Manager Role & Responsibility.**

* Selection & Packaging of FEAD System i.e. Fan, Belt, Pulley, Alternator Mounting Brackets, Hoses & Clamps.
* Integration of BSVI Engine 3 & 4 cylinder.
* Selection & Packaging of Fuel System (LPC) i.e. Fuel Filters, Water Separators, Fuel Piping’s etc.
* Selection & Packaging of Air Brake Compressors i.e Coolant, Air & Oil plumbing etc.
* Working closely with Vehicle integration team to resolve VI issue.
* Handling New Engine projects managements. i.e. EBOM integration, Design tracking for Exclusive parts, Engine build & SOP coordination with production team.
* 3-D modelling, Part drawing, Installations And co-ordinating for CAE analysis for above systems.
* Preparation of DFMEA, Design Standards, Design Inputs, and Design Reviews.
* RTS closure for all the New or Revised parts with consent of all the respective agencies.
* DFA, DFS and DFM to be conducted as per Volvo GDP process.
* Coordination for Proto part development & proto assy.
* Coordination with Testing and Validation team for finalisation the plan for newly design systems, i.e Compressor duty cycle measurement & Application sign off.
* Resolution of Field issue, Line issue & Testing issues.
* Release of parts, Sub assembly & Engine top level BOM through PLM (Product lifecycle Management).
* Completion of annual target for cost reduction & weight reduction.
* Product design Engineering- working experience on Plastic, Rubber, Casting & FRP for design and Coordination with CFT Team, Suppliers, customer for New Parts.

**Vision :-**

Product Reliability, Quality Product, Standardization and Communization, Value Engineering etc.

**Projects Undertake**

* Worked on Worked as Core Member For Eicher 4 Cylinder CNG project & FE improvement segment.
* Design project for Engine cooling system, 100kw BSIV.
* Exhaust system packaging with catalytic convertor.
* Value engineering project from Idea generation to final implementation.
* Weight reduction projects from Idea generation to final implementation.
* Coordination with Analysis department for simulation & CAE for above Designs.
* Design coordination with other departments like Proto section, Manufacturing section, Assembly section, Testing and Service People.
* Standardization & Modularization of different variants, to reduce inventory cost & number of parts in the system.
* Piloting and successful regularization of Vehicle by resolving NCRs.

**Company- Tata Toyo Radiator LTD.**

(Leading cooling system manufacturer) (From June 2012 to March 2016)

**Design Engineer Role & Responsibility.**

* Selection & Packaging of Engine cooling system i.e. Radiators, CAC, Mounting Brackets, Hoses & Clamps.
* Study of new / revised engineering prototype drawing and collate the data & records of the product.
* Design the 3D & 2D drawing on CREO.
* Validation & implementation cost saving projects, VAVE Projects.
* Create the standard part.
* APQP Documentation- for new products as per customer specific requirements. Preparation of APQP documents.
* Create the A-1 cost data, Excel BOM for new product.
* Create & change the BOM in SAP.
* Validation & implementation cost saving projects, VAVE Projects.
* Handling various design software like CREO, CATIA, AUTOCAD, & measuring instrument like height gauge, Vernier calliper, micrometre screw gauge etc.

**Professional Developments:**

* + - ProE (Wildfire5) CREO
    - DFMEA training,
    - Basic Engine Design By ARAI
    - GD&T training,
    - Product Lifecycle Management (PLM)
    - U.G NX Basic knowledge.
    - CATIA Course.

**Educational Qualifications**:

* SSC in Arts with (82%) from Nagpur board.
* Diploma in Mechanical with (69%) from Government Polytechnic Arvi, Maharastra (Affiliated with AICTE).
* Appearing Bachelor of Engg. In Mech. From IIIE (Distance Education).

**Personal Profile:**

Father's Name : Diliprao Ghagre

Date of Birth : 09 August 1993

Language known : Marathi, English & Hindi

Passport : Yes

Hobbies : Oil painting, Cricket, Cooking Cycling

Address : At -Yengaon, Post - Umri, Ta - Karanja(Ghadge), Dist - Wardha,

Maharashtra, 442203

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**Declaration:**

I hereby declare the information furnished above is true to the best of my knowledge.

**(Chetan Ghagre)** Date : -