

NIKHIL ROHIDAS DEVARE

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“Talent and imagination power for designing and producing innovative concepts, proven ability for proactive troubleshooting and maximum efficiency”

Professional Summary:

Performance driven 4 years in design engineering.

Presently working as a **Design Engineer** for **Cummins** deputed through **KPIT Technologies LTD, Pune**.

Technical Skills: GD&T, sheetmetal, welding, automobile, knowledge of plastic and casting

CAD Tool: Creo 2.0, Creo 4.0, PDM and PLM

CAD Skills: Solid, sheetmetal, surface, assembly modelling, drafting, mechanism and family table

Professional Experience:

KPIT Technologies Ltd, Pune,

Feb 2014- Present

Software: Creo 2.0, Creo 4.0

PLM and PDM Link (Windchill)

PROJECT 1:

-Customer: Cummins Emission Solution (**Dragnet** and **Euro-6 Nitro program 2017**)

-Location: US, China, Brazil and UK

-Product: Diesel Particulate Filter (DPF)

Diesel Exhaust Fluid (DEF)

Selective Catalytic Reduction (SCR)

-Contribution: **Cost saving proposal of designed sensor bracket (Sheetmetal) in Nitro Project.**

- Concept design, CAD modelling and manufacturing drawing creation.
 - Worked on sub & TLA assembly, sheetmetal heat shield, substrate, insulation, Diesel exhaust fluid system, sheet metal brackets, assembly clamps.
 - Shared product knowledge and best CAD execution process.
 - Efficient worked for project, many times customer appreciated for USA work.
 - Got cheers award and 3 times awarded as a star performer.
 - On team level, presented work related technical PPT.

 - PLM Work: ECR and ECO creation. Addition of manufacturing drawing & its related part and assemblies in ECO. Part attribute fill up, BOM creation, promotion etc.
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PROJECT 2:

Customer: Cummins Filtration

-Location: Globally

-Product: Air and Liquid filter

-Role: CAD modelling and drafting of part, subassembly and Top level assembly.

Worked on Shell filter, Element Filter and Lube Spin On, filter direct flow primary and secondary

Previously Worked:

Shriniwas Machine Craft PVT Ltd, Pune

Feb 2010- July 2010

-Role: Jr. Engineer, worked as a Laser Machine Operator.

-Product: Mahindra & RADIX power Genset and Siemens Electronic Panels

-Work Description: Before bending, cutting flat stainless steel sheetmetal into flat component.

Homemade motorcycle modification project:

-Homemade modification of Hero Honda CD100 to Mini Scrambler

-Duration: 1 Month (May-2018)

-Work Description: Dissembled all parts, reshaped front & rear mudguard and crashguard.

Designed seat, headlight location and repainted all exposed parts.

-Modification video's YouTube Link: 1. <https://www.youtube.com/watch?v=k4GbTDCtdzc>

2. <https://www.youtube.com/watch?v=zc1XeO8dhxU>

Project Practice:

Pioneer Technologies, Kothrud, Pune

Total duration of Project Practice: 7 months Full time

-Part Names (Modelling):

Wheel Hub, Wheel & Tyre Assembly, Brake System

-Solid modelling & Detailing:

Crankshaft, Towing hook, Steering column, Accelerator pedal, Tie rod arm, Eng. Mounting Brackets, Tractor cover pedal, Bellow, Pitman arm, Connecting Rod, Drop arm, Fuel tank Bracket, Silencer parts, Exhaust pipe, Silencer assembly, 3D Pipe.

-Bench marking of Ashok Leyland Mini Truck: CAD modelling and assembly of Wheel, Chassis, and Steering System (Pioneer technologies, Kothrud Pune).

B.E Project:

-Title: "Performance Evaluation Air Conditioner cum Water Cooler" (HVAC)

-Role: Concept and CAD modelling of project.

-Short Description: Evaluated performance of separate Air Conditioner & water cooler and combination of both using- multi evaporator concept. Made this project automatic working using solenoid valve.

Setup was installed in department HOD cabin for performance evaluation.

Education Summary:

Degree	Year	University	Percentage
B.E (Mechanical)	June 2013	Pune University	68%
Diploma (Mechanical)	June 2009	MSBTE	72%
SSCE	March 2006	Nagpur Board	56%

Additional Certification, Activities and Achievement:

- National Level Paper Presentation, Jaihind College of Engg. Narayangaon, Pune, 2013.
- Koyana, Satara forest saving activity.
- Uploading videos on my YouTube channel.

Personal Details:

- Passport No: N6685143 -Date of Birth: 09/02/1991
- Marital status: Unmarried -Languages: English, Marathi and Hindi
- Address: Onkar Building, Sangvi, Pune- 411027

Date:
Place: PUNE

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