

# HARSHAL N PATIL

**Mobile:** +91-9975113497

**Email:** [patilharshal88@gmail.com](mailto:patilharshal88@gmail.com)

**Address:** Uma Paradise Complex B-1 Type 208 Titwala, Kalyan.

***Seeking assignments in Product Design & Development with a growth oriented Setup.***

## PROFESSIONAL SYNOPSIS

- A mechanical engineering professional with **12 years** of experience in Engineering Design & Development.
- ***Presently working with Magna Seating India PVT.LTD. Pune as Lead Engineer***
- Strong ability and proficiency in designing & developing new products in conformance to pre-defined technical specifications.
- Good knowledge in Product developing standards.
- Good knowledge in GD&T, DFMEA, DFM, FEA, other design documentation, various process in product development upto SOP+90days
- In-depth knowledge and experience in **Catia V5** (Part Design, Product Design, Generative Shape Design, Sheet Metal Design, Drafting,)
- A committed team player & Leader with excellent relationship, leadership skills and strong analytical problem solving abilities.

## ORGANISATIONAL EXPERIENCE & RESPONSIBILITIES

❖ ***Magna Seating India PVT.LTD. Pune.***

❖ ***Lead Engineer– Complete Seat Design. (May 2015 – Till Date)***

### **Present Responsibilities**

- **Successfully launch (SOP) of Altroz Front row & Second Row Seats for TATA OEM.**
- **Successfully launch (SOP) of Punch Front row & Second Row Seats for TATA OEM.**
- **Successfully launch (SOP) of Safari “Ventilated Seat” for TATA OEM.**
- Led to concept design of **Ventilated seat.**
- Led to concept design of complete Seat including clearance study with environment, manufacturing feasibility study.
- Deciding GD&T on the manufacturing drawing based on the functional aspects.
- Co-ordinating the entire project including requirement analysis, finalizing specifications, prototype development and testing & validation activities.
- Participating in sign off like welding, fastener, NVH, Trim, Structure, plastic etc. to meet customer’s need and to resolve the issues.
- Attending technical review meeting with the OEMs.
- Design and development of testing & validation fixtures.
- Doing VBOM, DFM, DFMEA, one pager analysis, FEA & other documentation for the designed products according PLUS.

- Currently working for TML EV Seat implementation for TML

**Project Details : Safari Front row Complete Seat & Ventilated Seat (OEM: TML)**

Both project involved concept design and modeling of complete Seat assembly for both Domestic and Export versions, selection of material, creating all required manufacturing drawings with GD&T, preparation of VBOM. This project also involved design and development of all testing and validation fixtures to certify the product as per customer's specification.

Play major role for resolving the DV build issue and pass all DV testing. Witness DV test for SLED at ARAI. Currently both project are in production.

❖ ***Onward Technologies. Pune.***

***Design Engineer - Product Design. (June 2012- March 2015)***

**Project 1: GM (OEM: Global Client)**

This project involved concept design and modeling of complete Front seat assembly, creating all required manufacturing drawings with GD&T, preparation of VBOM. This project also involved design and development of seat to certify the product as per customer's specification.

**Project 2: GM (OEM: Global Client)**

This project involved concept design and modeling of complete second row seat assembly, creating all required manufacturing drawings with GD&T, preparation of VBOM. This project also involved design and development of seat to certify the product as per customer's specification.

❖ ***Hi-Tech Radiators Pvt Ltd. Pune.***

***Quality Control Engineer (Dec 2010 – Dec 2011)***

Development and co-development with customer. We focus on reducing cost, add value, improve quality, always keeping ergonomics, environment integration, style and added functionalities as customers requirements of our designs. Core proprietary products are as below.

1. Carryout current quality level in process inspection & establish a system to measure the rejection & continuously monitor the
2. Ensure that corrective and preventive action is carried out after finding root cause in co-ordination with concerned department
3. Help in production training and skill development of workers
4. Identify bottleneck and line balancing for rolling line
5. Ensure right quality of incoming material
6. Handle the third party at the time of inspection.
7. Reduction in leakages of radiators
8. Maintain ISO related records.

<b>ACADEMIC QUALIFICATIONS</b>
--------------------------------

- ✓ Currently pursuing **Post Graduate Program in Electric Vehicle Design** from Great Learning **(2022-2023)**  
**Expected Post graduation completion – May 2023**
- ✓ **B.E. (Mechanical Engineering): 2010**  
Y.T.I.E.T Karjat, Mumbai University, 70% (Dist)
- ✓ **D.M. E. (Diploma in Mechanical Engineering): 2007**  
Shivajirao S. Jondhale Ploytechnic, Ambarnath, MSBTE Board, 73%

✓ **S.S.C: 2004**

Maharashtra Mitra Mandal, Ulhasnagar, State Board 55%

<b>PERSONAL DETAILS</b>
-------------------------

Date of Birth : 30<sup>th</sup> Sept 1988

Permanent Address : Uma Paradise Complex B-1 Type, Flat no 208, Ganapati Mandir  
Road, Titwala East, Kalyan - 421605, Maharashtra

I do hereby assert that, the information provided above are quiet genuine & flawless to the best of my knowledge & belief

**Place – Kalyan**

**(HARSHAL N PATIL)**