

# Jay Khatri

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## **Experience**

### **Oct'19-Current, OPD Engineer at Ford Motor Pvt Ltd, Sanand, India**

- Responsible for issue resolution and implementation of corrective actions for post engine launch field issues, Co-lead with cross-functional team in implementing running product changes and Lead micro-launch engine programs with cross functional teams.

### **July'17-Aug'18, Powertrain Engineer at Ford Motor Pvt Ltd, Sanand, India**

- Administered and coordinated for launch of 2.0L Diesel engine from prototype build stages to mass production, on site design issues, NVH and Durability Testing, Assembly line issue and various launch meetings for delivering on time launch within cost and quality.

### **Jan'16-June'17, Powertrain Engineer at Ford Motor Pvt Ltd, Chennai, India**

- Improved Water-pump and thermostat seal design to reduce warranty costs. Co-developed new design and validation plan with supplier. Managed engine tests and post tear down analysis within Ford as part of validation plan. Implementation resulted in increased First Time Through (FTT) rate in engine cooling cavity leak tests.
- Co-developed lifting eyes, Oil pan and small castings with local supplier footprint. Communicating design requirements, discuss manufacturing feasibility, component validation and availability of signed off component for mass production.
- Collected data on Indian metro cities driving pattern and developing robust testing cycles, which reduce testing time and cost and understanding on development of validation tests for engines.

### **Aug'15-Dec'15, Resident Engineer at Ford of England, Essex, UK**

- Responsible for finalizing testing plan, testing, post teardown analysis for various localization and quality actions pertaining to Diesel engines manufactured in India.

### **Sep'14-July'15, Powertrain Engineer at Ford Motor Pvt Ltd, Chennai, India**

- Lead engineering change control for all changes for diesel engines manufactured in India. Liaise with global and local teams to implement engineering changes on time with approved costs with various cross functional team for manufacturing sites in India.
- Responsible for maintaining Bill of Material (BOM) in WERS for all diesel engines manufactured in India. Ensuring bottom level systems have BOM correctly for various activities at different department levels.

### **Aug'13-Aug'14, Ford College Graduate (FCG) at Ford Motor Pvt Ltd, Chennai, India**

- Developed understanding of how a global automobile manufacturing company works with induction/on the job training/shadowing with various stakeholders and departments.
- Implemented cost reduction action on diesel Engines which required design changes on intake system, Engine mounts and validating NVH with various teams. Align and liaise with various teams to conclude on Design of Experiments (DOE). Was implemented with approx. save of 1.5% per diesel engine.

## **Education**

### **Sept'18-Sept'19, MSc Sustainability in Transport, University of Leeds**

- Grade: Distinction
- Relevant subjects: Transport data collection and analysis, Transport and urban pollution, Shaping future transport systems, Environmental science and sustainability for transport, Green logistics.
- Dissertation: Assess and compare impact on lung function from short term exposure to traffic related air pollution (TRAP) in controlled and polluted route.

### **July'09-June'13, Bachelor of Engineering in Automobile Engineering, L.D. College of Engineering**

- CGPA: 8.35/10
- Project (team of 6): Design and development of an All-Terrain Vehicle (ATV) with horizontal suspension at front and different wheel tracks with external funding of 130,000 INR. (Published: [Times of India](#))

## **Awards**

July'2018: Transport masters employer's scholarship worth £ 2000.  
May'2018: Efforts for successful launch of Panther 2.0L diesel engine at Ford sanand Engine plant  
Oct'2017: B562 MCA DV5 NLFR Piston and rings and Engine retro-fitment for VP cars  
April'2017: Ford Asia Pacific Recognition for Implementation of NLFR Piston and Ring pack for HTIS (High Time in Service) field Issue

## **Languages**

English: Fluent  
Gujarati: Native  
Hindi: Bilingual  
German: Elementary  
Tamil: Elementary

## **Computer Skills**

AutoCAD, Pro-E 5.0, Teamcenter, WERS (Worldwide Engineering Release System), Microsoft Office Suite, Tableau, Q-GIS, R Language (Openair, rstats, mapview and ggplot2 packages), DEFRA emission modelling toolkit and Minitab

## **References:**

Academic: Dr Caroline Mullen, Senior Research Fellow, Institute of Transport Studies  
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