

RESUME

DIVYA N

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CAREER OBJECTIVE:

To secure a challenging position where I can effectively contribute my skills as professional, possessing competent technical skills to contribute the productive & performance of the organization, thereby enabling mutual enrichment.

SUMMARY:

- A dynamic professional with good experience in Automotive On-board diagnostics & Calibration and New Product Development.
- Detailed system level knowledge on diesel powertrain and Electric vehicle architecture.
- Excellent working knowledge on powertrain development tools ETAS INCA, ES592, ES581, Vehicle Diagnostics OBD tool.
- Have extensive work level knowledge in Emission Norms and OBD Regulation legislation norms.
- Experience in homologation requirements for the regulation compliance and validation processes.
- Experience in sea level, altitude vehicle testing.
- Hands-on knowledge for brainstorming activities and innovative solutions.

EXPERIENCES:

- **ORGANIZATION 1: Mahindra & Mahindra** Limited Chennai.

Designation: Senior Engineer – Power train division.

Duration: From Aug 2016 to October 2021

RESPONSIBILITIES:

- On Board Diagnostics Calibration and validation for BS6 2.2L diesel Engines.
- Calibration and validation of Diagnostics System Management and OBD functions as per legislative requirements. First Time Right Engine layout selected at beginning of Project with respect to OBD requirement.
- Fault management calibration & Monitoring strategy finalization for Each Emission relevant components and OBD Demonstration.
- Error registered codes during fleet validation to be analyzed.
- Implementation of ICA and PCA across all platform.
- Preparing technical report and 8D for analysis.
- Homologation calibration and validation process and BS6 Sensor and Actuator Calibration.

PROJECTS:

- **THAR**
 - On Board Diagnostics calibration and validation as per the regulation.
 - Homologation completed for MIL relevant error codes.
 - Air system monitoring calibration and SCR inducement system, SCR Hydraulics system calibration support.
 - Fleet validation monitor for all route vehicles (city, highway, altitude) – Customer field concerns closely monitored and resolved.
 - Contributed sea level and altitude trail calibration activities.
 - Elaborated report of project book created during pandemic period.
- **TUV PLUS**
 - On Board Diagnostics calibration and validation as per the regulation.
 - Air system monitoring calibration and SCR inducement system, SCR Hydraulics system calibration support.
 - Fleet validation monitored for all route vehicles (city, highway, altitude) – Customer field concerns closely monitored and resolved.
- **EURO 6b SCORPIO**
 - On Board Diagnostics calibration and validation.

- First Time Right Engine layout selected at beginning of project with respect to OBD requirement
 - Homologation completed without any deviation.
- **EURO 4 SCORPIO**
 - On Board Diagnostics calibration and validation.
 - OBD Emission test performed as per regulation compliance and validated.
 - Report preparation.
- **ORGANIZATION 2: Jayem Automotive Ltd.,**
 Designation: Calibration Engineer (Engine Systems)
 Duration: From November 2013 to Dec 2016

RESPONSIBILITIES:

- Diagnostics system Management and OBD calibration.
- Associated as engine mapping integrator for OBD calibration of Gasoline Vehicle team.
- Work with other cross functional Engineering teams – Mechanical, PCB layout, validation, engine management system vendor – Bosch India.
- Performed signal plausible verification with breakout box simulation for all powertrain P -codes and communication codes.
- Successfully passed OBD emission regulation compliance for BS4 in OEM vehicles.

PROJECTS:

- **TATA- 2 CYL NANO TCIC**
 - Diagnostics system management calibration.
 - All P codes demonstrated for homologation compliance.
 - Supporting activity for engine drivability calibration, misfire calibration.
 - **TATA – 2 CYL NANO ELECTRIC VEHICLE**
 - Charging system design.
 - Battery management system packaging and current calculation for battery pack power supply design algorithm.
- **ORGANIZATION 3: Salzer Electronics**
 Designation: Engineering trainee.
 Duration: From November 2010 to Dec 2012

RESPONSIBILITIES:

- Designed power supply circuits, and developed new products.
- Executed prototype board bring up, debug, test activity.
- Analyzed field failure customer complaints & prepare reports
- Interacted with the production department, software team to transfer the design to production.
- Designing PCB Circuits and schematic layout.

PROJECTS:

- Automatic change over with current limiter.
- Human Movement detector

ACADEMIC DETAILS:

- B.E – Electronics and communication engineering from anna university Chennai in 2010.
- HSC – Government girls higher secondary school, Erode 2006.
- SSLC - Government girls higher secondary school, Erode 2004.
- Additional Qualification:
 - Typewriting English higher with first class.
 - Typewriting Tamil lower with first class distinction

PERSONAL DETAILS:

Date of Birth	- 31 st May 1989.
Sex	- Female
Marital Status	- Married
Nationality	- Indian
Languages Known	- English, Tamil.
Hobbies	- Listening music and Decor the home.

I hereby declare that the above information is correct to the best of my knowledge and I bear the responsibility for the correctness of the above particulars.

Place: Chennai

Date: 04-09-2023

(DIVYA N)