**N.KARTHICKRAJA**

**CONTACT NO:**8508110880

**EMAIL ID :**karthickraja199780@gmail.com

**CAREER OBJECTIVE**

To pursue a challenging career and be a part of progressive organization that gives a scope to enhance my knowledge and utilizing my skills towards the growth of the organization.

**PROFESSIONAL EXPERIENCE**

* **Ola Electric Pvt Ltd (MAY2024-Present)**
* Here I am working in functional development and validation.
* To conduct and simulate the brake test as per the homologation requirements AIS14664.
* Benchmark Activities to be done on Two wheeler and Three Wheeler for Seat foam deflection and Suspension Measurements.
* Steering stability Test to conducted with the equipment of using accelerometer and potentiometer equipment.
* Experienced in utilizing a range of precision instruments, including power analyzers,Multimeter,Clampmeter,Oscilloscope, potentiometers, accelerometers, pressure sensors, and LVDTs, for conducting detailed measurements and analyses.
* **ATHER ENERGY PVT LTD (SEP2022-APR2024)**
* 1.7years of experience in Dyno testing & product validation of functional attribute testing.
* To evaluate the results and data analytics in vehicle performance, range, and durability tests on a chassis dynamometer.
* Conducted belt inspections and assessed durability after a few kilometers to ensure optimal performance and reliability.
* Evaluate ECU parameters and CAN data analysis to identify and fix bugs, and diagnose vehicle error problems.
* Performed root cause analysis (RCA) for motor and controller failures, identified primary issues, and implemented corrective actions to prevent recurrence.
* Executed battery simulation (OPEN and CLOSED LOOP) tests to evaluate performance metrics and thermal behavior, contributing to the development of high-efficiency energy storage solutions.
* In Grafanadata to validate the status and faults for checking cell condition results.
* Checking the motor and controller performance in motor rig dynamometer like wide open throttle test, efficiency & thermal based test to using environment chamber in different level of Temperature.
* Pre-approval test & validate the homologation vehicle to make it ready for type approval test condition.
* Having experience to create and simulate the drive cycles for different test cases to attain thermal Deration, gradability and meet top speed.
* Validate the benchmark vehicles do the instrumentation to measure like current and voltage also find out the thermal deration while running the testing using thermocouples to inspect the temperature.
* **TVS MOTOR COMPANY (DEC 2019-MAR 2022)**
* 2.3years of experience in Research and development.
* Extensive experience in Carburetor Tunning and Homologation Activity of Euro-II and Euro-III vehicles.
* Check the benchmark vehicle and analysis the design to compare the new projects for making the new product development.
* To conduct and verify the performance test also in that benchmark vehicles for new concept and future developing projects.
* Evaluate DVP Test to improve the vehicle level performance and continuous improvement.
* To proper analysis the vehicle in starting condition for taking the emission test and get the type approval in ARAI for mass production (COP).
* Handle to maintain the work in Chassis dyno testing and calibration in Horiba Emission system.
* To analyze in studying and making list of country specific component and Vehicle level certification requirements.
* Understanding requirements of Euro-II,Euro-III,BSIV & BSVI vehicle and parts as per the technical specifications.
* To verify ensure components in vehicles with appropriate label identifications as per country specific requirements.
* To coordinate inter section/dept. and with third party (VCA) for the Motorcycle component compliance testing and certification.

**ACADEMIC PROFILE**

* B.E Mechanical Engineering(2015-2019)

Sona College of Technology

CGPA-**7.43%**

* 12th (2015)

Senthil Matric Higher Secondary School, Dharmapuri.

Percentage-**75.8**%.

* 10th (2013)

Sri Bharathi Vidyalaya Acadamy Matric Higher Secondary School, Marandahalli.

Percentage-**77**%.

**PROJECT**

* Characteristics of PM10, PM2.5, CO2 and C0 “**monitored in interiors and platforms of** **subway train”** in Salem*.*

**INPLANT TRAINING**

* Under went in-plant training at **TAFE-MDU** in Madurai on 12-April-2018.
* Under went in-plant training at **NLC** in Neyveli from 21-May-2018 to 26-May-2018.
* Under went in-plant training at **TITAN** Company in Hosur from 04-Jun-2018 to 09-Jun-2018.

**SKILLS**

* Vehicle instrumentation
* Troubleshooting and Problem Diagnosis
* Canoe, Vector and PCAN-View
* Component level Test to using Environmental chamber(iASYS).

**CERTIFICATION**

* CATIA V5
* ANSYS-15

**STRENGTHS**

* Innovative think.
* Flexible/Adaptable.
* Integrity.
* Problem solving and decision-making.

**AREA OF INTREST**

* Testing the vehicle performance and efficiency in Dynamometer.

**CO-CURRICULAR ACTIVITIES**

* Attended one-day workshop on “**ELECTRIC AND AUTONOMOUS VEHICLE TECHNOLOGY”.**
* Attended one-day workshop on “**EVOLUTION OF BREAKING SYSTEM***”.*

**EXTRA CURRICULAR ACTIVITIES**

* Organized a tree plantation event in TREMORS CLUB.
* Organized a school event for symposium on the GREEN TECH*.*

**PERSONAL PROFILE**

Date of Birth : 30.07.1997

Father’s Name : M.K.V.Nallathambi

Mother’s Name : N.Lavanya

Hobbies : playing games like chess,carrom and cricket.

Language known : English, Tamil

Permanent address : 15, Muthu Udiyar Street,

Marandahalli (Post),

Pallacode (Taluk),

Dharmapuri (D.T):636806*.*

**DECLARATION**

I hereby declare that the above-furnished details are correct to the best of my knowledge and belief.

DATE: 03-Sep-2024

PLACE: BANGALORE KARTHICKRAJA N