



Vijaiyan R

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Objective

Self-motivated and enthusiastic electrical engineering graduate with Sound knowledge on wiring harness design and manufacturing process and Strong understanding of child components related to wiring harness like connectors, terminals, wires, fuses etc.

Experience

- **Jayem Automotives Private Limited**

16/10/2023 - Present

Wiring harness design engineer

Projects

Electric small commercial vehicle 3.5 ton

High voltage battery box - 43.2 kw

Roles and responsibilities

- HV cables & LV harness routing.
- Placement of electrical components on vehicle and Wiring Routing Feasibility Study in vehicle.
- Power Train component Package (MCU, DC-DC and PDU)
- Peripherals part package (Horn, Buzzer, lamp, etc..)
- Choosing correct fixations for harness routing.
- Create 2D flatten harness as per 3D harness.
- prepared Clash and Clearance report for HV and LV wiring.
- Responsible of 2D Harness drawing creation and Fitment drawing.
- Responsible for DFA, DFS, DFM.
- Vehicle Integration.
- Responsible for harness and system BOM.
- Responsible for part number and discription creation.

- **Audi Coimbatore**

15/07/2022 - 28/02/2023

Service engineer trainee

Roles and responsibilities

- Inspect vehicle engine and mechanical/electrical components to diagnose issues accurately
- Inspect vehicle computer and electronic systems to repair, maintain and upgrade
- Conduct routine maintenance work (replacing fluids, lubricating parts etc.) aiming to vehicle functionality and longevity
- Schedule future maintenance sessions and advise motorists on good vehicle use
- Repair or replace broken or dysfunctional parts and fix issues (e.g. leaks)
- Provide accurate estimates (cost, time, effort) for a repair or maintenance job
- Keep logs on work and issues
- Maintain equipment and tools in good condition

TOOLS / APPLICATIONS

- Creo
- Catia V5
- AUTOCAD
- Zuken
- MS Windows & MS Office packages.

Education

Course / Degree	School / University	Grade / Score	Year
B.E-EEE	KPR Institute of Engineering and Technology	76.8%	2019-23
HSC	SSM Lakshmiammal Matric HR Sec School	60%	2018-19
SSLC	Adharsh vidhyalaya Matric Hr Sec School	75%	2016-17

Certificates

- NPTEL - (IIT - Madras)
Fundamentals of automotive systems(2022 Apr)
- CATIA V5 wiring harness design

Strength

- Flexibility
- Able to work under pressure
- Patience
- Good team player
- Quick learner

Hobbies

- Travelling
- Volunteering
- Mind games
- High - endurance activities

Sports

- Kho-Kho
- Chess
- Karate

Personal Details

- Date of Birth : 10/09/2001
- Marital Status : Single
- Nationality : Indian

Declaration

- I hereby confirm that all the facts stated above are accurate to the best of my belief.



VIJAIYAN R