

SHIVAKUMAR A R

Designation: Electrical engineer

Innovative and detail-oriented **Electrical R&D Engineer** with hands-on experience in **EV vehicle development**, specializing in **wiring harness design, controller programming, and system analysis** within the **automotive industry**. Skilled in designing and validating electrical systems for electric vehicles, including powertrain integration, CAN communication, and controller calibration. Proven ability to translate design concepts into functional prototypes, optimize system performance, and support manufacturing readiness.

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WORK EXPERIENCE

Working as Qc Engineer in Automotive wire harness.at

MAE Technology, Hosur,Sep-2023 *TO* Sep-2024

- **QUALITY Control Expertise:** Conducted inspections and tests on automotive wiring harnesses to ensure compliance with industry standards and specifications.
- An Automotive Wiring Harness Quality Control (QC) Engineer is responsible for ensuring the quality and reliability of wiring harnesses used in vehicles. Their primary focus is on:
- **Design Review:** Verifying wiring harness designs meet specifications and industry standards.

Working as Electrical engineer in EV golf cart buggy's. At

Palis Eco vehicle Pvt,Ltd. Bangalore,OCT-2024 To present

- Designed and developed electrical wiring harnesses for DC voltage EV golf carts and buggies.
- Worked on schematic design, component selection, and integration of electrical and electronic systems, including battery packs, controllers, and sensors.
- Conducted CAN communication setup and debugging, ensuring seamless communication between vehicle subsystems (controller, BMS, display, etc.).
- Performed system analysis **and validation testing** of electrical subsystems.

DATE:

EDUCATIONAL DETAILS

- **Electrical and Electronics Engineering** in Shridevi Institue of Engineering and Technology Tumakur with CGPA:6.05 .
Visvesvaraya Technological University, Belgaum
- **Department of Pre-University Education**, Karnataka.
In Bapuji Composite PU College challakere with Percentage: 63.83
- 10th CLASS in S S V E H S , challakere
Board of Secondary Education, Karnataka.
Percentage: 62.08

PROJECT

- Developed an easy and efficient method for automotive wiring harness design to simplify development and reduce design time.
- Created a simplified approach for automotive harness design, improving design accuracy and workflow efficiency.
- Implemented a streamlined harness design process for automotive applications, enhancing productivity and reducing errors.
- Designed a user-friendly and efficient harness design method for automotive electrical systems.

TECHNICAL SKILL

- Controller Programming
- MX Office of Excel,Word ,PPT
- Basic creo cabling designing 3D
- R&D automotive harness

SIGNATURE