

**Ankush Umesh Kharbikar**

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**Seeking in Auto Electrical Design / R & D department with a Growth oriented Organisation.**

**Career Objective:**

To work in an organization where I can able to contribute the organization growth and profitability with my skills and in turn get an opportunity to gain exposure ,experience and expertise that would help me to build a promising and successful career.

**Area of expertise:**

- **Technical Skills:** Automobile cables and Wiring Harness designs, Schematic design, Creation of Database , Development of Wiring harness parts, Electrical fault finding on vehicles.

**Professional Summary:**

**1. INVORA TECHNOLOGY, NAGPUR**

**Started working with INVORA TECHNOLOGY from 03 February. 2022, as a Design Engineer till date**

**Project : Design and development of Electrical system for E-VEHICLE (E-Rikshaw).**

**Position : Design Engineer**

**Responsibilities :**

- Preparation of electrical specification draft, Preparation of Electrical architecture for vehicle, Design of Electrical Sub system level schematic.
- Selection of Component, Wire size calculation, Load Calculations, Selection of Connector, Selection of Wire etc.
- Routing of Wiring harness on vehicle using UG Nx, Creation of BOM for Electrical Routing.
- Release of Wiring Harness through Zuken E3, Worked on different build and trouble shooting. Preparation of troubleshooting procedure to address the fault.

**Status : Complete**

**Tool Used : AutoCAD, Zuken E3, UG Nx .**

**Project : Creation of Database Library in Zuken E3.**

**Position : Design Engineer**

**Responsibilities :**

- Creation of component and symbol database in Zuken E3.
- Study of technical specification/datasheet of product
- Preparation of component list (Bill of Material)
- Creation of connector, cable, model, assembly.
- Creation of mating connector, sheet template.

**Status : Completed**

**Tool Used : AutoCAD, ZUKEN E3**

**Project : Conversion of Electrical Schematics and Wire-harness  
drawings from PDF to Zuken E3**

**Position : Team Member**

**Responsibilities :**

- Update electrical schematic to incorporate the changes
- Update harness drawings to incorporate the changes
- Creation of component, symbol, connector, cable, model, assembly. update bill of material
- Exposure to automobile & construction of electrical system.
- Good knowledge handling attribute, text type, cable protection, terminal. Making of harness, preparation database & harness creation using Zuken E3.

**Status : Completed**

**Tool Used : AutoCAD, Zuken E3**

**Area of Exposure:**

- Understanding Wiring harness design input given from supplier to improve drawing as per Design standard.
- Circuit modification in wiring harness & Checking as per drawing sheet.
- To pin point errors / mistakes in the drawings and resolve the same.
- Instrument Cluster, Switches, Immobilizer and Alarm system.
- Wiring Harness, Fuse & Relay boxes.
- Harness and electrical drawings preparation from PDF inputs.
- Battery / Alternator / Starters, Interior & outer light system, Horn, AC system.
- Study and understanding of Relay Based Logic.
- Selection of components (Relay, Circuit breaker, Contactors, Fuses, Terminals).
- Preparation of Component & symbol Database.

**Personal Details:**

**Name** : **Ankush Umesh Kharbikar**  
**Date of birth** : 11/07/1995  
**Nationality** : Indian  
**Sex** : Male  
**Marital Status** : Unmarried  
**Languages Known** : English, Hindi and Marathi

Place: Nagpur

Date:

**Ankush Kharbikar**

