Gaurav Kamble

Design Engineer (Wiring Harness)

Address

Akurdi, Pune- 411035

TECHNICAL SKILLS

- **Design Software**: CATIA V5 (Electrical Part Design, Harness Assembly, Flattening, Drafting), AutoCAD
- **Circuit Design**: Circuit schematic design, layout, and simulation
- **Product Lifecycle Management**: BOM creation, product design documentation, and manufacturing drawings
- **Technical Communication**: Ability to prepare clear, precise technical documentation, presentations, and reports

PERSONAL DETAILS

- Date of Birth – 12 March 2000
- Gender – Male
- Known Language – English, Hindi, Marathi
- Marital Status – Single
- Nationality – Indian
- Permanent Address –Indapur - 413106

PROFESSIONAL SUMMARY

Dynamic and detail-oriented Electrical Engineer with expertise in designing electrical wiring harnesses and electrical components for automotive and engineering applications. Proficient in using CATIA V5 for 3D modelling, circuit design, and electrical system integration. Skilled at collaborating with cross-functional teams to deliver high-quality products, ensuring compliance with industry standards and customer specifications. A proactive problem solver with a strong focus on process optimization and quality improvement.

EDUCATION

Bachelor of Engineering (B.E.) in Electrical Engineering
2020 - 2024
Savitribai Phule Pune University
Grade: First Class

Diploma in Electrical Engineering
2016 - 2020
Maharashtra State Board of Technical Education (MSBTE)
Grade: Second Class

PROFESSIONAL EXPERIENCE

Excellence Technovision Pvt. Ltd.
Design Engineer – Wiring Harness
January 2024 – April 2025
Department: Electrical Product Design
Industry: Automotive & Engineering

Key Responsibilities:

- **Electrical Component Selection**: Responsible for selecting electrical components based on load and operational requirements, ensuring the system's reliability and efficiency.
- **3D Modelling**: Created 3D models of electrical parts, applying mechanical design principles and electrifying components in CATIA's Electrical Part Design workbench.
- **Circuit Design & Layout**: Developed circuit schematics and layouts for various automotive applications, ensuring proper wiring configurations.
- **Electrical Harness Assembly**: Designed electrical harnesses by routing wires and components within the assembly to integrate them into the mechanical design, ensuring alignment and functionality.
- **Flattening and Drafting**: Creating Electrical Harness Flattening and Drafting.
- **BOM Creation**: Developed and maintained the Bill of Materials (BOM) in accordance with the design and customer specifications.
- **Customer Interaction**: Communicated with customers to gather input and provide design solutions. Engaged in reverse engineering of received samples for product development.
- **Final Documentation:** Prepare comprehensive manufacturing drawings for production.