

Mr. Akshay Bhaurao Zade

Electrical Design Engineer (Wire Harness)

Gurdattadham Housing Society

Flat no. 16, Yamunanagar, Nigdi, Pune

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Maharashtra

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OBJECTIVE:

To involve in Organization where I can utilize my skills and Knowledge with good opportunity to enhance growth in success of organization & also my skills development.

PROFILE SUMMARY:

Total Experience 6.5 Years

Electrical Wire Harness Design Engineer,

- 1.6 years of Competent Professional experience in Product Design and Development with Specialization in Electrical Wire Harness, Electrical System Circuits Schematics, Wire harness Component design of Automobile using **CATIA V5R24**. Experience in Boiler manufacturing Industries and Coal Mining Industries.
- Working knowledge of wire harness manufacturing.
- Working experience on Wire Harness design 3D, 2D.
- Knowledge about selection of Wiring Harness components like wire, connector, Terminals, relay, fuse, protection part (sleeves, tape, tube, conduit) etc.
- Knowledge of electrical circuit schematics like Starting, Charging, Power Window, Central Door Locking, Horn, Wiper and wash system.
- Knowledge of **CHS**
- Proficiency in working with **CatiaV5- Electrical Workbench, Routing, Flattening & Drafting**.

EDUCATIONAL QUALIFICATIONS:

2007-2011	B.E (Electrical Engineering) from Rashtrasant Tukdoji Maharaj Nagpur University with 70.35%. (First Class)
2013-2015	M.E (Electrical Power System) from Savitribai Phule Pune University with 7.64 C.G.P.A. (First Class)

PROFESSIONAL EXPERIENCE:

PVG TECHNOLOGY, PUNE

From: July 2017 to Till Date

Designation: Electrical Design Engineer (Wire Harness)

COMPANY PROFILE: PVG Technology is Service based company providing specialized Engineering solutions to Automotive Industries.

Job Profile: Design Engineer

- Responsible for routing of Electrical Wiring Harness on various parts of automobile.
- Flattening and Drafting of Electrical Wiring Harness.
- Preparation of Address sheet, Splice chart, BOM, 2D drawing reading and 3D to 2D drawing conversion.
- Preparation of Catalog of various components used in wiring harness in CATIA V5R24.
- Electrical Load Calculation activities, Voltage drop calculation activities.

SEC, BARAMATI

From: June 2016 to June 2017

Job Profile: Assistant Professor (Electrical)

- Worked as a Asst. Professor in Department of Electrical Engineering SSPM'S SEC College Of Engineering

THERMAX LIMITED. (Deputation of SFM), Pune.

From: May 2013 to June 2016

Job Profile: Electrical Engineer

- Modification of electrical system schematics for heavy m/cs.
- Selection of electrical component like wire, relay. Fuses, connectors, Terminals, circuit breakers according to technical requirement.
- Selection of various protective components like conduit, sleeves, cable glands etc.
- Supporting to production department by solving electrical related issues of machines.
- Support to cost reduction activity.

CUPRUM BAGRODIA LIMITED

From: June 2011 to April 2013

Job Profile: Executive Electrical

- Operation of Highwall Mining Machine
- Maintenance of Highwall Mining Machines
- Supporting to production department by solving electrical related issues of machines.
- Support to cost reduction activity.
- Support to the Southern Eastern Coalfield ltd in Rungta Coalmines

Projects Undertaken:

1] ELECTRICAL WIRE HARNESS ROUTING OF FRONT DOOR.

Software- CATIA V5R24

Responsibility:-

- Routing the electrical wiring harness in the Electrical Harness Assembly and Mechanical Assembly Design.
- Clips and slacks provided on routed wire as per basic guideline.
- Calculation of Bundle Diameter.
- Electrical Harness Flattening and Drafting.
- Creation of 2D drawing of wiring harness.

2] COMPONENT ELECTRIFICATION OF CONNECTORS, TERMINALS, ADDING ELECTRICAL PROPERTIES

Software- CATIA V5R24

Responsibility:-

- Receiving mechanical model of connectors, terminals.
- Adding electrical properties using Electrical Part Design.
- Creation of catalog in CATIA V5R24.

3] Electric Three Wheeler Rickshaw

Software- CATIA V5R24

Responsibility:-

- Responsible for reverse engineering of received sample.
- Creation of final manufacturing drawing using Drafting workbench.
- Providing protection to all harness.
- Creation of Address sheet, Splice chart.
- BOM Creation as per Wiring Harness Drawing.
- Creation of Schematics as per requirements.

4] Front Wiring Harness (Ongoing)

Software- CATIA V5R24

Responsibility:-

- Selection of Components depending on Load requirements.
- Benchmarking of Engine compartment.
- Routing of Various components in Front wiring harness.

5] Modification of Boiler manufacturing machine electrical system.

Client - Thermax India Ltd.

Responsibility:-

- **PEMA** (Saw welding m/c)-Study and redesigned the electrical control system. Reduces the size of control panel by modifying the electrical circuit in Electrical Autocad.
- **EOT CRANE**-Improve the speed control of crane by using VFD for LT operation. Modify the control panel; reduce the unnecessary wirings and components
- **FLAT CALIBRATOR** -Installed VFD for main motor to control the speed.
- **SCISSOR LIFT**- Redesigned the electrical circuit. Selected new type of switchgears and control sensors for easy and safe operation of lift.
- Design single line diagram of complete plant, showing the locations of machines, control panel, switchgears & cables with size.

SOFTWARE SKILLS:

- **Proficient in CATIA V5R24 – Electrical and Mechanical Workbench**
- **Basic Knowledge of AutoCAD Electrical**
- **Knowledge of CHS**
- **MS-OFFICE – Excel, Word, Power Point**
- **BAAN ERP Software – End User**

ACADEMIC PROJECT:

(Mega Project 1 - ME)

Title: - Hybrid solar and wind power generation with grid interconnected system to improve power quality.

(Mega Project 2- BE)

Title: Sun tracking system using solar energy a novel technology.

PUBLICATION:

- Published paper on “Hybrid solar and wind power generation with grid interconnected system to improve power quality” 2016 IEEE FIRST INTERNATIONAL CONFERENCE on Power Electronics, Intelligent Control and Energy Systems (ICPEICES 2016).

PERSONAL DETAILS:

Date of Birth	1 Sept.1989
Gender	Male
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Present address	Gurudattddham Cooperative housing society SPL-16 flat no 16, sector no- 21 Yamuna Nagar-Nigdi, Pune - 411044
Permanent address	At post- Borda, Tah-Wani, Dist. –Yavatmal-445304

DECLARATION:

I hereby declare that the above mentioned information is correct up to my best knowledge.

Akshay B. Zade

