Design Engineer to be an expert in technical knowledge and skills complete in a challenging environment. Develop a new techniques from adaptive learning to overcome unexpected problems.

AKSHAYKUMAR R BAYASKAR

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Software Knowledges

- MATLABSIMULINK
- CATIA V5
- SOLIDWORKS
- DRAW.IO
- AUTOCAD

Skills

- Electric Vehicle Design & Development
- EV Technical Knowledge
- Wiring Harness Design & Development

Languages

English, Marathi & Hindi

Certifications

Electric Vehicle (Certificate): EV workshop, Automotive &Transportation Design, EV modeling.

CATIAV5:-Wiring Harness Design & Development

Work Experience

**Get My Solutions Pvt ltd
Pune.**

Design Engineer (Electrical)
June2023-Dec2024
EV Projects

- E-bike Go Scooter
- Four Wheeler Platform with Suspensions
- EV Truck
- Bicycle
- Bicycle with Battery KIT Assembly
- Scooter
- Moped

Internship & Training

- Training in Electric Vehicle Design & Development in Industries Helping Hands.
- Hands on Experience in Wiring Harness using CATIA V5
- Hands On Project in Autobot Academy-Electric Vehicles (2W &3W).
- Training in INDUSTRIA LAUTOMATION in SAVVY Automation and Controls India Pvt. Ltd Pune.
- Certification internship in RAJANI ELECTRICALS Amravati.

Education

Bachelor of Engineering (Electrical Engineering)-2020
Sant Gadge Baba Amravati University
Diploma In Polytechnic (Electrical Engineering)-2017
MSBTE
SSC-2012
D.R.Patil High school Sahakar Nagar Akola-2012
Amravati Division Board

Industry Oriented Projects

MATLAB-Simulink Software

Vehicle Dynamics & Drive Cycle
- Simulation & Analytic Behavior of Aerodynamic Drag, Rolling resistance of Pirelli tires, uphill & Gradient resistance in MATLAB-SIMULINK.
- Model Based design of Speedometer Odometer with translational Sensor in MATLAB-SIMULINK.

Electric Vehicle Powertrain System
- MATLAB Modelling of Powertrain Simulation.

Battery Management System & Battery Thermal Management System
- Simulation of Charging & Discharging of Battery.
- Model Based of BMS function of Cell Balancing.
- Electric Vehicle Battery Cooling System.

Battery: Basic Working, Types & Its Parameter's
- Simulink Model based Comparison of battery.
- Model based comparison of Equivalent Battery.

SolidWorks Design Software

- Battery Design & Assembly in SolidWorks.
- EV Bike Shock Absorber.
- Extension Spring Simulate & Motion.
- Bicycle Frame Stress Analysis.

CATIA V5
Mechanical-
- Lithium-IonCell18650
- Piston & Connecting Rod
- CAR Disk Brake
- Bolt with Lock Nut
- Steering Mechanisms
- Rear Wheel Suspension

Electrical-
- Electrical Pins Male Female
- Shell Type Connector
- Connector Socket
- Back shell connector
- Filler Connector Connection
- Electrical Wiring Harness Connections