Aditya Rajendra Bende

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Objective

Recent Graduate with a strong foundation in electrical engineering and understanding of EV architecture and charging protocols. Seeking a role to apply my skills in the Automotive Industry.

Education

Atharva College of Engineering | Malad, Mumbai *2019– 2023*
Bachelor of Electrical Engineering (Mumbai University), CGPA-8.91

PACE College of Science| Borivali, Mumbai *2017 – 2019*
Board-Higher Secondary Certificate (HSC), Percentage-70.2%

7Thakur Public School | Kandivali, Mumbai *2010 – 2017*
Board-Indian Certificate of Secondary Education (ICSE). Percentage-89%

Experience

Air India Engineering Services Limited | Santacruz (East), Mumbai *December, – January ,2023*
Worked at Maintence Hangar carrying maintenance work of Boeing aircraft.

- Assisted in installation High Voltage electrical harness (600V DC) on engine.
- Documenting and Testing of Low Voltage and High Voltage electrical Harnesses.
- Installation of Low voltage wires for in-flight entertainment system in Cabin Section.
- Inspection and troubleshooting of CAN wires for Radio Communication.

Carriage Repair Workshop| Lower Parel, Mumbai *June – July 2022*
Worked at a Train Carriage Overhaul Workshop primarily carrying out overhauling of Integral coach factory carriages and Linke Hofmann Busch carriages.

- Documenting PLCs of Air Conditioning control Panel under Guidance of Senior Engineers.
- Assisted in testing of High voltage DC rectifier and Brushless Alternators.
- Testing of Valve Regulated Lead Acid Batteries 120V DC.

Projects

Gear Box Harness Design Project| Google Drive Link
Using Catia V5 for 2D drafting and 3D routing of Gearbox wiring Harness.

- Demonstrates ability to work with High voltage and Low voltage DC.
- Selection of wiring Harness Diameter according to datasheet and Dynamic Simulation.
- Sheet Metal Design for optimum routing of electrical harnesses.

Active Suspension Using PID control
Working with a team to make a prototype model for irregular road profile.

- Simulation, analyses and tuning of PID control for appropriate feedback.
- Analyzing and simulation of failure mode effects of active suspension on an actual car.
- Design and assembly of RC car using CAD software.

Skills

Programming: C/C++, Python, Assembly.
Software: CATIAV5, Capital Logic and Capital HarnessXc, Siemens NX, Fusion360, MATLAB.

Certificate and Activities

- Catia V5 Harness Design Courses-Udemy.
- Complete Siemens NX Express Training
- EV design using MATLAB, Pantech E learning.
- Certificate of Publication for “Active Suspension Using PID Control with MATLAB.”
- Third Prize at BE Inter-College Project Competition.

Hobbies

- Snooker
- Cricket
- Reading Books