Aadesh Borate

Electronics Design Engineer

Contact

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Portfolio
https://aadeshborate.github.io/

Skills

PCB design using Autodesk Eagle

3D Modeling Autodesk Fusion 360

Digital Circuit Design

SMD Component Soldering

Arduino Coding

I am a Passionate PCB designer having three-year experience in digital circuit design and Robotics.

Education:

2016-06 - 2020-06	**Government College of Engineering and Research, Awasari, Pune**

Bachelor of Engineering in Electronics and Telecommunication
Aggregate: 8.61 SGPA (Till 7th Semester)

Internships:

2019-09 - 2020-02

Photom Technologies, Ahmedabad
Electronics Design Intern

- Worked on Solar Panel Cleaning Robot
- Responsible for Circuit Design, PCB fabrication & Assembly

Technology used: Autodesk Eagle, Fusion 360, SMD soldering

2019-01 - 2019-04

Lion Circuits, Bangalore
Campus Ambassador

- Publicity of company in college and on social media
- Poster sharing, PPT Presentation on awareness about PCB design and fabrication

Projects:

2019-06 - 2020-06

Smart and Efficient Techniques for Automatic Guided Vehicle
Graduation Project

- Secured **3rd Rank** in **ABHIKALP 2020**
- Participated in **e-Yantra Ideas Competition 2020** and selected in **TOP 49**
- Responsible for Circuit Design, PCB Design, Assembly, Testing, 3D Modelling

Technology used: Autodesk Eagle, Fusion 360, Arduino, 3D Printing

2019-02 - 2019-04

Mechatronics and IOT Kit Development

- Developed an Kit to perform **30+** experiments in Mechatronics and IOT subject.
- Responsible for Circuit Design, PCB fabrication, Assembly, Testing & User Manual

Technology used: Autodesk Eagle, Fusion 360, Arduino, Microsoft PowerPoint

Competitions:

2018-08 - 2019-06

National DD Robocon 2019
Team Member

- Won **Special Jury Award** with **AIR 4th** Rank.
- Designed and built a Four Wheeled Mechanum Omnidirectional Manual Robot and Automatic Quadruped Robot.
- Responsible for design and development of Electronics circuits

Technology used: Autodesk Eagle, Arduino

2019-09 - 2020-06

E-Yantra Robotics Competition 2019-20
Team Member

- Secured **4th Position** in **Biped Patrol** Theme
- Designed and Built Two Wheel Self Balanced Robot using PID controller
- Responsible for PCB Design, PCB etching, 3D modelling, 3D printing

Technology used: Autodesk Eagle, Autodesk Fusion 360, PCB etching, 3D printing

2017-03

Spectrum 2017
Circuit Wizard

- Organized by Pimpri Chinchwad College of Engineering, Pune
- Secured **1st Rank** out of **64 teams** participated with 3500 Rs. Cash prize