

## BRIEF SUMMARY

I have experience in PCB design and hardware implementation, with strong experience in planning and executing academic and technical projects and skilled in documentation, report writing, and effective teamwork. My goal is to build a career in electronics design, focusing on developing innovative hardware solutions and contributing to research and development in technology-driven projects.

## KEY EXPERTISE

PCB DESIGN, Hardware Implementation   Planning and executing academic and technical projects  
Teamwork and collaboration on group projects   Documentation and report writing

## EDUCATION

### MIT Academy of Engineering, Pune

2023 - 2027

B.Tech. - Electronics Engineering | CGPA: 7.38 / 10

### Government Residential Women's Polytechnic, Latur

2021 - 2024

Diploma - Electronics and Communication Engineering - Electronics and Communication Engineering (Full Time) |  
Percentage : 77.88 / 100

### Gov. resedential womens polytechnic,latur, Latur

2024

Diploma | Diploma - Electrical and Electronics Engineering - Electrical and Electronics Engineering | MSBTE |  
Percentage: 77.88 / 100

### Z.P.P High School, Sakol

2021

10<sup>th</sup> | MSBSHSE | Percentage: 85 / 100

## INTERNSHIPS

### Amb's C-DSP | Design

01 Jun, 2023 - 31 Jul, 2023

Circuit Design & Testing

#### Key Skills:

Simulation Tools: Proficiency in tools like Multisim  
Debugging & Troubleshooting: Identifying faults in PCB or breadboard prototypes and optimizing circuit performance.  
Analog , Dersign Circuit Design

Circuit Design & Testing: Involves designing analog and digital circuits, creating PCB layouts, simulating circuits using tools like Proteus ,Multisim, and testing prototypes with instruments like oscilloscopes and multimeters to ensure optimal performance and reliability.

## PROJECTS

### Wheather forecasting system

05 Sep, 2024 - 12 Jun, 2025

**Mentor:** Pramod Jagtap | **Team Size:** 4

**Key Skills:** Circuit design and connection   Sensor interfacing (DHT11, BMP280)   Data acquisition from sensors

Gained hands-on experience in setting up IoT hardware by connecting sensors with NodeMCU, collecting real-time environmental data, and transmitting it to the Node-RED dashboard via MQTT. Learned circuit design, sensor interfacing, and device configuration for weather monitoring applications.

### Thermal Gun using IOT

19 Jun, 2023 - 25 Jan, 2024

**Mentor:** Mrs.Kavita Giri | **Team Size:** 4

#### Key Skills:

IoT (Internet of Things) Implementation   Sensor Interfacing  
Wireless Communication – Using Wi-Fi / Bluetooth for sending data to cloud or mobile applications.

Thermal Gun using IoT: Developed a contactless temperature monitoring system using MLX90614 sensor and Arduino, with real-time data sent to IoT platforms for monitoring and alerts. Skills involved include IoT integration, sensor interfacing, and data visualization.

SEMINARS / TRAININGS / WORKSHOPS

Entrepreneurship Bootcamp

11 Mar, 2024 - 13 Mar, 2024

Institute Name: Government Residential Women's Polytechnic, Latur

Key Skills:

- Business Planning: Developing business models and plans
- Marketing & Sales: Understanding target markets, customer acquisition, and promotion strategies
- Leadership & Teamwork: Managing teams and collaborating effectively
- Problem-Solving & Critical Thinking: Identifying opportunities and overcoming challenges

An Entrepreneurship Bootcamp is an intensive training program designed to equip participants with the knowledge, skills, and mindset required to start, manage, and grow a business. It usually covers idea generation, business planning, marketing strategies, financial management, and pitching to investors. Participants gain hands-on experience, mentorship, and exposure to real-world entrepreneurial challenges.

PCB Design and Manufacturing

15 Nov, 2022 - 17 Nov, 2022

Institute Name: SAITRONICS , KAMOTHE ,NAVI MUMBAI

Key Skills:

- PCB Design Software: Eagle, Altium Designer, KiCAD, OrCAD
- Schematic Design: Translating circuit diagrams into PCB layout
- CAD Skills: Precision in designing layouts and footprints
- Simulation Tools: SPICE, Multisim (for testing circuits before manufacturing)

PCB (Printed Circuit Board) Design and Manufacturing involves creating the layout of electronic circuits on a board and producing the physical board used in electronic devices. It includes schematic design, component placement, routing of connections, and fabrication of the PCB. This process ensures compact, reliable, and efficient electronic circuits for devices ranging from small gadgets to complex systems.

EXTRA CURRICULAR ACTIVITIES

- Took part in Sports or Cultural Events (e.g., Cricket, Dance, Music)

PERSONAL INTERESTS / HOBBIES

- Reading books, Listening to music, Cooking or trying new recipes, building projects

IMs

- Other - .

PERSONAL DETAILS

Gender: Female	Date of Birth: 19 Oct, 2005
Marital Status: Single	Known Languages: Marathi,Hindi,English
Current Address: Pune ,Alandi (412105), Pune, Sakol, Maharashtra, India - 413544	Permanent Address: At.Post.Sakol, Sakol, Latur, Maharashtra, India - 413512
	Phone Numbers: +91-8237987383, +91-7709267791
Emails: 202402060002@mitaoe.ac.in , bhureshraddha821@gmail.com	