



## BRIEF SUMMARY

core electronics engineer seeking entry-level role in dynamic organization. Ready to contribute to company goals with strong development knowledge. Passionate about innovation and collaboration.

## KEY EXPERTISE

Electronic Circuit Design Antenna CSS HTML PCB Design Altium

## EDUCATION

### MIT Academy of Engineering, Pune

2020 - 2024

B.Tech. - Electronics and Telecommunication Engineering | CGPA: 7.50 / 10

### Yashwantrao Chavan Institute Of Science, Satara

2020

12<sup>th</sup> | MSBSHSE | Percentage: 67.38 / 100

### New English School, Satara

2018

10<sup>th</sup> | MSBSHSE | Percentage: 87 / 100

## INTERNSHIPS

### Caainos Technology | Core Electrical Engineering / Manufacturing

01 Jan, 2024 - Present

PCB Design Engineer

**Key Skills:** PCB Design Altium Circuit Design

As an intern at Caainos Technologies, I'm immersed in core electronics and also take on the role of a PCB designer. I'm hands-on with projects, analyzing components, designing circuits, and troubleshooting.

Collaborated with a team to design and implement user interface features.

This internship is boosting my skills and letting me contribute effectively to diverse projects.

## PROJECTS

### Log Periodic Antenna for Terahertz Frequency

01 Aug, 2022 - 19 Dec, 2023

**Mentor:** Prof. Alka Jakhar | **Team Size:** 4

**Key Skills:** Self Learning learn hfss software Antennas

"TERAHERTZ RESEARCH GAP" as very few devices have been implemented in the last few years. With the advancement of 5th generation wireless communication systems in recent years and mobile communication of the 6th generation has become a promising and important area with both academic and industrial interests. Terahertz signals were until recently an almost unexplored area of research due to the difficulties in generation and detection of electromagnetic fields at these wavelengths.

With the use of HFSS software, the goal of this project is to construct and simulate log-periodic and spiral antennas, which are dipole antenna derivatives for the selected terahertz frequency band. After that, various factors, including S parameter, gain, and directivity, will be looked at up until the seventh semester, we shall attempt to interface it with any software programs

### Lan cable Tester

10 Mar, 2023 - 20 Mar, 2023

**Team Size:** 4

**Key Skills:** Self Learning Soldering Circuit Design

"The LAN Cable Tester is a portable device that quickly and accurately assesses the integrity of LAN cables, identifying faults and ensuring optimal network connectivity. It's designed for network professionals and enthusiasts, providing a compact and user-friendly solution for diagnosing and troubleshooting Ethernet cables."

## PERSONAL INTERESTS / HOBBIES

- Trekking, Travelling
- Playing games like Kabaddi, Cricket

PERSONAL DETAILS

**Gender:** Male  
**Marital Status:** Single  
**Current Address:** Near MITAOE college, Hindavi colony, Dehu phata, alandi., Pune, Maharashtra, India - 412005  
**Emails:** amit.ghadge@mitaoe.ac.in , ghadgeamit00@gmail.com

**Date of Birth:** 03 Jun, 2002  
**Known Languages:** Marathi, Hindi, English  
**Permanent Address:** Vitthal krupa colony krushnanagar satara, Satara, Maharashtra, India - 415002  
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