



BRIEF SUMMARY

Enthusiastic and detail-oriented Electronics and Telecommunication Engineering student with hands-on experience in embedded systems, IoT, and MATLAB Simulink. Skilled in microcontroller programming, circuit design, and automation-based projects. Passionate about developing smart and sustainable solutions through technology and innovation.

KEY EXPERTISE

Embedded Systems & IoT Development, Problem-Solving & Analytical Skills, MATLAB & Simulink Modeling

EDUCATION

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|---|-------------|
| MIT Academy of Engineering, Pune | 2023 - 2027 |
| B.Tech. - Electronics and Telecommunication Engineering CGPA: 7.98 / 10 | |
| Shri. Dhokeshwar Junior College, Takali Dhokeshwar | 2023 |
| 12th HSC Percentage: 56 / 100 | |
| Shri Dhokeshwar Vidhyalaya, Takali Dhokeshwar | 2021 |
| 10 th SSC Percentage: 80 / 100 | |

INTERNSHIPS

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|--|-----------------------------|
| IBM SKILL BUILD Academics / Research | 15 Jun, 2025 - 15 Jul, 2025 |
| Key Skills: AIML, Cloud | |
| IBM SkillBuild Online Internship | |
| Completed a virtual internship focused on emerging technologies including cloud computing, AI, IoT, and cybersecurity. Gained hands-on experience through guided projects and industry-aligned learning modules. | |
| Edu-Skill Semiconductor | 01 Feb, 2025 - 28 Feb, 2025 |
| Key Skills: Internet of Things, Embedded Systems | |
| i have completed virtual internships on EduSkills Platform in that i learn lots of terms like all types of chips and there configuration | |
| AUTOTECH NASHIK Automotive / Ancillaries / Automobile | 07 Jun, 2023 - 22 Jul, 2023 |
| Key Skills: Automation, SCADA, PLC Programming, Embedded Systems, Internet of Things | |
| Autodesk Nashik, 6 Weeks, I have extensive experience working with Supervisory Control and Data Acquisition (SCADA) and Programmable Logic Controller (PLC) system as a result of my employment in the field of automation technology, adding to my knowledge of industry automation and control. I now fully understand how to operate PLC and SCADA systems. | |

PROJECTS

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|--|-----------------------------|
| Intrusion detection system for controller area network | 18 Aug, 2025 - 18 May, 2026 |
| Mentor: Prof. Amit Nagrale Team Size: 4 | |
| Key Skills: AIML, Machine Learning, Automation, Automobile, Embedded Linux, Embedded C, Work Management | |
| Developed an Intrusion Detection System (IDS) for Controller Area Network (CAN) to detect malicious activities in automotive communication using anomaly-based detection techniques and real-time data analysis. | |
| Satellite Communication | 10 Mar, 2025 - 26 May, 2025 |
| Mentor: Prof. Vipin Yadav Team Size: 4 | |
| Key Skills: | |
| MATLAB, Simulink, Patience, Management, Communication Skills, Digital Signal Processing | |
| analytical thinking and problem-solving | |
| Worked on the design, simulation, and partial implementation of a basic satellite communication system. Gained hands-on experience in simulating signal transmission between ground stations and satellites, exploring digital modulation techniques (BPSK, QPSK), and | |

analyzing link budgets. The project also involved studying signal propagation, noise effects, latency challenges, and Doppler shift, along with the use of simulation tools like MATLAB and GNURadio.

Smart Agriculture Using IOT

01 Oct, 2024 - 08 May, 2025

Mentor: Dr.Aniket Gundecha | **Team Size:** 4

Key Skills:

Internet of Things | MATLAB | Matlab Simulink | Communication Skills | Project Management Skills | Documentation

in that project i learnn lot of new technologies and many more new concepts are gain

DC GENERATOR

20 Jan, 2024 - 20 Apr, 2024

Mentor: PROF . S . S MORE | **Team Size:** 4

Key Skills: Hardware | Electronics | Electricals

EXTRA CURRICULAR ACTIVITIES

- Management Leader – GeeksforGeeks (GFG) Student Chapter

PERSONAL INTERESTS / HOBBIES

- Reading books
- Playing Cricket

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: Alandi ,Pune, Maharashtra, India-412105

Emails: vivekbhand326@gmail.com

Date of Birth: 19 Dec, 2005

Known Languages: English , marathi , hindi

Phone Number: +91-9923533975