



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

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

10th | SSC | Percentage: **80 / 100**

INTERNSHIPS

IBM SKILL BUILD | Academics / Research

15 Jun, 2025 - 15 Jul, 2025

Key Skills: AIMA 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

Intrusion detection system for controller area network

18 Aug, 2025 - 18 May, 2026

Mentor: Prof. Amit Nagrale | **Team Size:** 4

Key Skills: AIMA 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
Mentor: Dr.Aniket Gundecha | **Team Size:** 4
Key Skills:

Internet of ThingsMATLABMatlab SimulinkCommunication SkillsProject Management SkillsDocumentation

01 Oct, 2024 - 08 May, 2025

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

DC GENERATOR
Mentor: PROF . S . S MORE | **Team Size:** 4
Key Skills: HardwareElectronicsElectricals

20 Jan, 2024 - 20 Apr, 2024

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