

BRIEF SUMMARY

I am an Electronics and Telecommunication Engineering student with expertise in embedded systems, IoT & Automation. I am passionate about advancing technology in these fields and eager to contribute to innovative solutions.

Expertise:

Embedded Systems

Automation

Internet of Things (IoT)

Skills:

Arduino IDE, Proteus IDE, STM32CubeIDE, Xilinx Vivado Design Suite,

Circuit Designing

Problem Solving, Critical Thinking

Management & Team Leadership

Key Projects:

Warehouse Management System (CC-Link Protocol, STM32)

IoT-Based Industrial Automation

Automated Face Recognition-Based Attendance System (ESP32, ESP CAM)

I've demonstrated leadership as Treasurer for the National Level Event 'TechnoPhilia', managing budgeting and resource allocation, and as Treasurer for the SPARKS Club at MITAOE. My internship at LEADSTOSELL and certifications in STM32 and IoT complement my academic journey.

KEY EXPERTISE

Automation

Embedded Systems

STM

ESP

Arduino

Internet of Things

Home Automation

Embedded C

Digital Electronics

Digital Communication

Sensor Integration

EDUCATION

MIT Academy of Engineering, Pune

2021 - 2025

B.Tech. - Electronics and Telecommunication Engineering | CGPA: 6.98 / 10

Government Polytechnic, Pune

2019 - 2022

Polytechnic - Electronics and Communications Engineering - Electronics and Communications Engineering (Full Time) |

Percentage : 81.80 / 100

Government Polytechnic Pune, Pune

2022

Diploma | Diploma - Electronics & Telecommunication Engineering | MSBTE | Percentage: 80.70 / 100

Punyashlok Ahilyadevi Holkar Vidyalaya, Ranisawargaon

2019

10th | MSBSHSE | Percentage: 81.80 / 100

INTERNSHIPS

Aariha Enterprises pvt. ltd. | Consumer Electronics / Appliances

01 Jul, 2024 - 31 Aug, 2024

Key Skills: IOT | wordpress

During my internship, I gained hands-on experience in IoT development and web page management using Word Press. I worked on integrating IoT devices and developed functional, user-friendly websites, enhancing my skills in both domains.

LEADSTOSELL | Advertising / Events

15 Aug, 2022 - 15 Nov, 2022

Digital Marketing Internship

Key Skills: Creative Management Social Media Marketing SEO Analysis

During my internship at LeadsToSell.com, I contributed to social media marketing, creative management, and SEO analysis, completing 60 hours of dedicated work. I focused on enhancing brand visibility, optimizing content for search engines, and driving engagement through innovative strategies.

PROJECTS

Automated Warehouse Management System Using CAN Protocol and STM32 07 Feb, 2024 - 31 Aug, 2024

Mentor: Savita Pawar | **Team Size:** 4

Key Skills: CAN Protocol IOT STM STM32 Circuit Design Sensor Interfacing Embedded C

This project creates a smart warehouse management system using the CAN (Controller Area Network) protocol and the STM32 microcontroller. It allows different devices and sensors in the warehouse to communicate with each other in real-time. The system helps in tracking inventory, controlling machinery, and monitoring the warehouse environment automatically. By using the CAN protocol, it ensures fast and reliable data exchange, making warehouse operations more efficient and reducing the need for manual work.

Real-Time Air Quality Monitoring System Using IoT 11 May, 2024 - 13 May, 2024

Team Size: 1

Key Skills: Networking Embedded Systems IOT Data Handling Mqtt

IoT-Based Saline Bottle Monitoring System Using Weight Sensors 08 Jan, 2024 - 13 Jan, 2024

Team Size: 2

Key Skills: IOT Load Cell ESP

Automated Plant Watering System with IoT Technology 03 Sep, 2023 - 30 Sep, 2023

Team Size: 2

Key Skills: Automation IOT ESP8266 Circuit Designing

Automated Attendance System with Face Recognition and ESP32 CAM 02 Feb, 2023 - 31 Mar, 2023

Team Size: 2

Key Skills: ESP32 Face Recognition IOT Mqtt

Automatic BMI Calculator 02 Aug, 2022 - 20 Aug, 2022

Mentor: Savita Pawar | **Team Size:** 2

Key Skills: Load Cell ESP8266 Embedded C IOT Automation

Gesture Controlled Robotic Car (Diploma project) 06 Nov, 2021 - 28 Feb, 2022

Team Size: 4

Key Skills: Arduino UNO PCB Breadboard Wireless Sensor Networks Arduino Nano

ACHIEVEMENTS

- Won 1st Price in National Level Event 'Technodium'
- Treasurer for National Level Event 'TechnoPhilia'
- Treasurer at Sparks Club

ASSESSMENTS / CERTIFICATIONS

Workshop on AI-IOT

Key Skills: AI-IOT Sensor Integration Face Detection

POSITIONS OF RESPONSIBILITY

Treasurer of the Sparks Club at MITAOE

- **Managed Finances:** Handled the club's budget, tracked all financial transactions, and kept accurate records.
- **Fundraising:** Organized events to raise money and created budget plans to make sure funds were used effectively.
- **Reporting:** Prepared financial reports to show how the club's money was spent and helped make decisions.
- **Teamwork:** Worked with other club members to ensure financial plans supported our goals.
- **Improved Processes:** Made financial processes more efficient and transparent.

Treasurer of National Level Event 'TechnoPhilia'

- **Managed Budget:** Took care of the event's finances, keeping track of all income and expenses.
- **Created Budget Plans:** Made detailed plans to ensure we used our money wisely for the event.
- **Organized Fundraising:** Helped raise money and got sponsors to support the event.
- **Prepared Reports:** Made reports on how the money was spent and shared this with the team to help make decisions.
- **Improved Processes:** Made the financial process smoother and more transparent.

SEMINARS / TRAININGS / WORKSHOPS

PLC and SCADA Fundamentals: Comprehensive Hands-On Training

15 Apr, 2024 - 16 Apr, 2024

Institute Name: MIT Academy of Engineering, Pune

Key Skills: PLC Programming SCADA Ladder Logic Hands On Training

Workshop on AI-IOT institute Name: Army Institute of Technology

15 Feb, 2024 - 15 Feb, 2024

Institute Name: Army Institute of Technology

Key Skills: AI-IOT Machine Learning Sensor Integration Face Detection

Mastering STM32: Hands-On Workshop for Embedded Systems Development

05 Jan, 2024 - 09 Jan, 2024

Institute Name: MIT Academy of Engineering, Pune

Key Skills: STM 32 STM Programming HAL Libraries Sensor Intergration with STM32 Timers Counters

IMs

- WhatsApp - <https://wa.me/917219759645>
- Other - <https://www.linkedin.com/in/shantanu-bhimanpallewar-609619256/>

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: Ganraj building, Dehu phata, Alandi, Pune,
Maharashtra, India - 412105

Emails: shantanu.bhimanpallewar@mitaoe.ac.in , shantanubhimanpallewar@gmail.com

Date of Birth: 12 Jul, 2003

Known Languages: English, Marathi, Hindi

Permanent Address: Shiv om Shakti nivas, Sai colony,
Ranisawargaon-431536, Pune, Maharashtra, India - 412105

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