

# ABHISHEK GANGANE

◇ Embedded systems developer ◇

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## EXPERIENCE

Embedded systems developer   Yellow Matrix, Pune, Maharashtra	JUNE 2024 - present
Technology	STM32H5 secure boot, LTE, PCB Design, Telematics, AWS IoT core, Nor Flash, USB
Firmware Engineer Intern   NeatWind Industries, Ahmednagar, Maharashtra	JAN - MARCH 2024
Technology	Electronic Circuit Design, PCB Design, ESP32, WebSocket, Google Firebase

## PROJECTS

<a href="#">Design and Development of Smart Vending Machine</a>	JAN - MAY 2024
Technology	WebSocket, Reactjs, Google Firebase, Razorpay payment gateway
Electronic components	ESP32 WiFi Module, Stepper motors, A4988 driver, 12V supply
<a href="#">Augmented Reality for Smart Manufacturing   AIA FSM Internship, IIT Delhi</a>	MAY 2023
Technology	Augmented Reality (target-based guide for the Responsible Welding Coordinator)
Tools	Unity, Vuforia engine, Google Firebase
<a href="#">Tic-Tac-Toe game using Arduino</a>	DEC 2022
Electronic components	Arduino Uno, touch-screen display, 5V supply
<a href="#">Global Positioning System tracking device</a>	MAY 2022
Technology	Satellite communication, Google Map API
Electronic components	ESP32 WiFi Module, GPS Module, 5V supply

## EDUCATION

B.TECH Electronics and Telecommunication	2020-2024
KIT's college of Engineering, Kolhapur, Maharashtra	
Higher Secondary School	2020
Dayanand Science College, Latur, Maharashtra	
Secondary School	2018
Jawahar Navodaya vidyalaya, Latur, Maharashtra	

## SKILLS/TOOLS

Technical Skills	C, C++, Matlab, Python, Testing and Debugging, Bare-Metal, FreeRTOS
Tools/Software	Visual studio code, Arduino IDE, Keil uVision, Stm32cube IDE, Git, Kicad

## ACHIEVEMENTS

<a href="#">Research Paper Published on IJNRD Volume 9, Issue 4 April 2024</a>	APR 2024
A research paper on the topic Design and Development of Smart Vending machine was published as the final year project.	
Electrovert Techwiz competition finalist	OCT 2022
Electrovert Techwiz took place at Sangli's Walchand Engineering College. We worked on a proteus simulation from a Keil code hex file.	
Project-based learning Matlab Programming competition finalist	NOV 2022
The multiple numbers of certificates can be generated dynamically using this script, along with the features of certificate verification.	