

Shreyank Vispara *Sr. Embedded Engineer*

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📍 C/6 Palakpark Society, Umiya hall
circle Ahmedabad, Gujarat

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♂ Male

Profile

Results-driven embedded hardware engineer with 7+ years of experience in designing and developing microcontroller-based systems and PCB layouts. Proficient in hardware-software integration, signal integrity analysis, and power management systems. Successfully optimized hardware designs, body design, reducing production costs. Passionate about driving innovation in IoT and automotive hardware solutions.

Education

2014/07 – 2017/06
Rajkot, India
BE in Electronics and Communication
B.H. Gardi college of Engg. Tech.
Distinction

2011/07 – 2014/06
Rajkot, India
Diploma in Electronics and Communication
Christ polytechnic institute
Distinction

Professional Experience

2023/11 – present
Ahmedabad, India
Sr. Embedded Engineer
Technostacks Infotech Pvt. Ltd.

2022/02 – 2023/11
Rajkot, India
Sr. Embedded Engineer
Techriser Pvt. Ltd.

2020/01 – 2022/02
Dwarka, India
Radar System Engineer
Ministry of ports shipping and waterways

2018/03 – 2020/01
Dwarka, India
Engineering Assistant
Doordarshan HPT Dwarka

Skills

~ PCB Design, Schematic, Layout, Testing and Troubleshooting

BOM, Gerber, Drill generation

~ Product/Prototype development

3D design, 3D printing

~ Protocols/Technology

RS232, RS485, SPI, I2C, USB, WiFi, BLE, RFID, RF, nRF, IR, GSM, GPS.

~ Boards and Controllers

Esp8266, Esp32CAM, ESP32, Arduino family, Philips

Projects

~ Baigan Box

Parcel safety – Role: Design and merge battery charging section with controller pcb and also design BMS.

~ Water Watcher

Filter change alert - Role: Designed a circuit case with battery which is stick with filter glass tube to get accurate scanned color of filter.

~ Proper Dose

Medicine on time – Role: Design and develop Complete circuit and body by interfacing various sensors i.e. IR, Temperature, servo motor, lcd display etc, with controller

~ Drone

Educational purpose – Role: Design a motor switching circuit for drone and solder smd components also design its case. Made another drone on ESP8266 using brushed coreless motor and MPU6050.

~ Home Automation

Smart home – Role: Using relay and NodeMCU design a smart home circuit.

~ Agriculture Automation

Reduce travel time and make process faster – Role: Developed a 3 phase sensor circuit Using a CT coil for power alert and made a circuit for GSM interface with controller for GNSS mode

~ Wearable barcode scanner

Easy mobility and indexing – Role: Increased its sensitivity to scan the barcode and design its body in 3D by maintaining IP 65 standards

Also design many PCB's for mini projects as per applications and spacing.

Certificates

NCVT Electronic technician

I completed electronic technician course under Gov. of India certification

Languages

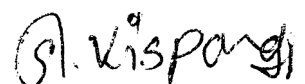
• Gujarati

• English

• Hindi

Declaration

I hereby declare that the above information is true and correct to the best of my knowledge and belief.



Shreyank Vispara
Ahmedabad