

## OBJECTIVE

A motivated individual with in-depth knowledge of languages and development tools, seeking a position in a growth-oriented company where I can use my skills to the advantage of the company while having the scope to develop my own skills.

## PROFESSIONAL SUMMARY

- ▶ I have the skills PCB schematic design, PCB layout designing on Altium software.
- ▶ I worked on new product development, Reverse engineering.
- ▶ Studied on Failure mode effective analysis for new product design.
- ▶ I possess hands-on experience in designing circuit using Re-framework, Sequence, Flowchart, with simulation on tinkercad tool and MATLAB.
- ▶ Collaborative team player, skilled at meeting demanding deadlines, working well under pressure, and displaying quick learning abilities.
- ▶ Proficient in implementing various IoT project using web page design using http, with the help of MQTT dashboard, Thingspeak, firebase app, blynk app.
- ▶ Expertise in Arduino based project used for robotics application.
- ▶ Successfully completed IOT project using ESP8266 and ESP32 microcontroller.
- ▶ Proficient in troubleshooting and debugging, with a sharp focus on resolving in hardware testing.

## TECHNICAL SKILLS

- Arduino Programming
- Python
- VHDL programming
- To build app using MIT app inventor
- IoT dashboard-MQTT, ThingSpeak, http.
- Embedded C
- MATLAB & Simulink

## EDUCATION

### **MTech in VLSI**

G H Raison College of Engineering  
Dec 2021 - JUNE 2023 7.76 CGPA

### **BE in Electronics Engineering**

G H Raison College of Engineering  
Aug 2016 - JUNE 2019 8 CGPA

### **Diploma in Electronics Engineering**

Maharashtra State board of technical education  
July 2013 - JUNE 2016 77.35%

### **SSC**

Maharashtra State board  
July 2012 - March 2013 69.40%

## WORK EXPERIENCE

1. Jr Hardware Engineer  
Kyoritsu Electric pvt Ltd  
Dec 2023 – April 2024
2. Trainee Engineer in R&D department  
Tropicool Car gadget Pvt ltd Pune  
June 2023 – Nov 2023
3. Embedded IOT developer  
V S informatic pvt ltd  
2021 -2023

## PROJECT

### Project 1

**Project Name: IoT based haemoglobin level monitoring system**

**Role: Both in Hardware and software**

As a Developer, creating various modules based on the Process Definition Document (PDD) that automates the workflow of the reports. This process underwent through different phases of the SDLC

ROLES AND RESPONSIBILITIES:

- Search various article published related project topic.
- Study the hardware and software used.
- HW part – Interface the power LED sensor with ESP8266 microcontroller.
- SW part – Program and debugging.

### Project 2

**Project Name: IoT based Agriculture Pump monitoring System**

ROLES AND RESPONSIBILITIES:

- HW part – Interface the soil moisture sensor and DHT11 sensor with ESP8266 microcontroller.
- SW part – Program and debugging.
- Give the status of motor on blynk app.

### Project 3

**Project Name: RFID based toll tax System**

ROLES AND RESPONSIBILITIES:

- HW part – Interface RFID sensor with ESP8266 microcontroller.
- SW part – Program and debugging.
- The vehicle is nearer to toll booth, token generated money get transferred through the passive tag og RFID which contain bank transaction.

## PERSONAL DETAILS

Address: Plot No.363,Sadbhavana nagar,Nandanvan,Nagpur.

Date Of Birth:20 June 1998

Marital Status:Unmarried

Nationality: Indian

Languages Known: English,Hindi,Marathi.

DECLARATION

I hereby declare that all above-mentioned information is in accordance with fact or truth up to my knowledge and I bear the responsibilities for the correctness of the above-mentioned particulars.

Date:

Place:

NIKITA BHAGADKAR

