

SMRITHI M

Embedded Developer

☎ 8943035223

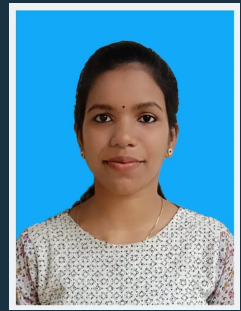
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📍 Bindu Nias, Thrithala Koppam,
Pulassery(PO)-679307

🚩 Indian

📅 15/04/1998



PROFILE

Around 4 years of experience in design and development of embedded systems using Arduino , ESP, PIC and PLC's. proficient in embedded C programming, C++ programming and PLC Programming. Proficiency with different protocols.

Education

2015 – 2019 Akkikavu	B Tech, <i>Royal College of Engineering and Technology</i>
2013 – 2015 Naduvattom, India	Plus Two, <i>GJHSS Naduvattom</i>
2013 Koppam, India	SSLC, <i>GVHSS Koppam</i>

Skills

- PCB Designing using proteus
- Coding using micro python and python
- C/C++ Programming
- PIC Programming using mickroc
- Coding for microcontrollers Atmel, ESP using Arduino IDE
- PLC Programming
- Java Programming
- Marketing Skills

Professional Experience

11/2021 – present	Embedded/IOT Engineer, <i>Triaxia Infotech Pvt Ltd.</i> Design and development of embedded systems which includes automation and IOT requirements. <i>Automated goal keeper:-</i> <ul style="list-style-type: none">• A robotic goal keeper designed to block the ball from entering the goal post.
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Musical stairs at Kochi metro station:-

- Implemented Kerala's first musical stairs at M G Road metro station to promote the use of stairs for a better public health.
- An audio visual experience for the people who take stairs by playing piano notes for each stair that the user steps on.

Leva Lift:-

- Design and development of proximity sensor control board for PLC operation.
- Controlling the operation and automating the sensors, lights used in the lift using PLC Programming.

Musical stairs at Lulu mall ,Kochi:-

Siren for Ambulance:-

- Generating different frequencies and creating various horns and sirens for ambulance using pic controller.

11/2019 – 10/2021
Kochi

Research and Development Engineer, Triaxia Infotech Pvt Ltd.

Research and Development- Development of Embedded system as per client requirement.

Fuel Theft and Fleet Management:-

- Fleet management system which includes GPS based vehicle tracking, fuel management, driver behaviour analysis, maintenance scheduling report analytics and notifications.
- Circuit designing using proteus and development using Arduino IDE.

Miniature system for educational purpose:-

- Used for education and for developing projects
- Includes embedded projects like control an RGB light and has featured such as an OLED Display, a mini breadboard, few tactile switches, USB port for programming, SPI,I2C,Serial expansion, RTC, Buzzer, Bluetooth/Wifi modules etc.

Camera Slider:-

- Sliding rail, pan and tilt head using stepper motors.

Wandomation (Home-Office Automation):-

- *Monitoring or controlling home attributes such as lights,TV ,AC and other electronic devices.*
- *Home security, cloud based voice service, other basic automations.*
- Product designing, workflow, coding, prototyping.

Others:- IVR based projects ,other mini projects.

08/2022 – present
Kochi

Academic Consultant (Part Time), Avodha Edutech Pvt Ltd

- Career counselling for students.
- Helping students to choose the right course.

- Managing complete admission process and supporting the student throughout the academic year.

08/2018 – 10/2018
Kochi

Marketing Representative, JIO

Played a role in the marketing section by convincing and to change from another network to jio.

06/2017 – 07/2017
Calicut

Internship, All India Radio

Undertaken internship in learning the technical functions of the station.

Projects

2019 – 2020

Hospital management system

- A comprehensive solution for healthcare facilities to gather patient data, secure vital records, automate scheduling etc.
- Developed by using Java program and mySQL.

2018 – 2019

Automatic Waste Segregation

- Segregating the waste into metal, dry and wet by using sensors such as metal detector and moisture sensor.
- Separated into three bins after identifying the type of waste by using conveyor belt.

Certificates

Advanced java with frame work

Skill development program on Advanced java programming with a framework by SMEC Technology

Achievements

Publication of musical stairs at Kochi metro station in various news paper and channels 

Languages

Malayalam



English



Hindi



Declaration

I hereby declare that all the details provided above are true to the best of my knowledge