



# KARTHIK KUMAR S

## Embedded Engineer

Embedded Engineer with a strong background in electronic hardware design and development. Recent graduate with a Bachelor's degree in Electronics and Communication Engineering. Proficient in C programming. Strong understanding of embedded hardware design, microcontroller programming and circuit design. Adept in using electronic design automation tools such as AutoDesk Eagle PCB and MATLAB. Proven ability to work in fast-paced and dynamic environments. Strong analytical and problem-solving skills. Excited to apply my skills and knowledge in a challenging and dynamic environment.

## Contact

### Phone

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## Education

2023

### BE in ECE

Government College of Engineering  
Srirangam, Trichy, Tamil Nadu

2020

### Diploma in EEE

Subramanian Polytechnic College,  
Rayavaram, Pudukkottai, Tamil Nadu

## Skills

- Electronics Components
- Circuit Design
- Microcontroller & Microprocessor
- Problem Solving
- C Programming
- Communication

## Language

English

Kannada

Tamil

## Experience

### Feb 2023 - Jun 2023

Forge Innovation & Ventures, Coimbatore

#### Graduate Innovation Engineer Trainee

Graduate Innovation Engineer Trainee at Forge Innovation & Ventures with experience in rapid prototyping, PCB design, soldering, AutoCAD, UI/UX, and LabVIEW myRIO. Applied design thinking principles to create user-centered solutions. Proficient in developing intuitive interfaces and implementing control systems. Passionate about driving innovation and contributing to cutting-edge projects.

### Mar 2023 - May 2023

Emertxe Information Technologies, Bengaluru

#### Intern

Completed a 7-week online internship focused on IoT and programming, gaining hands-on experience in project development, programming in C, and microcontroller technologies. Contributed to the entire SDLC process and gained insights into the transformative power of IoT. Passionate about the intersection of programming and IoT, eager to apply skills and knowledge in future endeavors.

## Projects

- GSM Based Wireless Substation Fuse Blown Indicator
- IoT Based Safety Gadget for Child Safety Monitoring & Notification
- IoT based Home Automation System
- Multi-Format Image Processing Platform along with AI Analytical tool for Traffic Management System

## Certifications

- Internet of Things (IoT) Internship
- IoT Based Safety Gadget for Child Safety Monitoring & Notification
- Introduction to CAD
- Field Technician - Computing And Peripherals