

KARTHIK KUMAR S

Embedded Engineer

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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, IoT, 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.

Experience

Graduate Innovation Engineer at Forge Innovation & Ventures

Feb 2023 – Jun 2023

Graduate Innovation Engineer at Forge Innovation & Ventures with experience in rapid prototyping, Eagle PCB design, soldering, Embedded System, IoT, 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.

IoT Intern at Emertxe Information Technologies, Bengaluru

Mar 2023 – May 2023

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.

IoT Trainer at Skill Lync, Chennai

Aug 2023 – Present

I am an experienced IoT Trainer at Skill Lync, specializing in development boards and IoT protocols. My expertise includes in-depth knowledge of communication protocols, enabling me to provide comprehensive training in IoT technologies. I am skilled in guiding students through various development boards and equipping them with practical insights into IoT implementations.

Education

Subramanian Polytechnic College

2020

- Diploma in Electrical & Electronics Engineering
- Percentage: 85%

Government College of Engineering Srirangam

2023

- B.E. Electronics & Communication Engineering
- CGPA: 8.27

Skills

- C Programming
- Circuit Design
- Microcontroller & Microprocessor
- Hardware Interfacing
- Problem-solving
- Version Control
- Time Management
- Debugging and Troubleshooting

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

- C Programming for Embedded Applications
- Field Technician - Computing And Peripherals
- Introduction to CAD
- Internet of Things (IoT) Internship

Languages

- English
- Tamil
- Kannada