

Kirubakaran S

Bachelor of Engineering
K Ramakrishnan College of Technology, Trichy

+91-6374654854

rs6143055@gmail.com

<https://github.com/KIRUBAKARANEE27>

www.linkedin.com/in/kirubakaran-s-1b9a47257

EDUCATION

Bachelor of Engineering in Electrical and electronics Engineering

2022-26

K Ramakrishnan College of Technology, Trichy

CGPA: xx

PERSONAL PROJECTS

IoT-Enabled Cost-Effective Digital Stethoscope

A cloud-based digital stethoscope designed for real-time heart sound monitoring, enhancing accessibility and affordability.

- Enables real-time heart rate and auscultation monitoring through IoT.
- Ideal for remote areas, providing efficient and user-friendly healthcare solutions.
- Cloud integration for secure data storage and remote access.
- Technology Used: Embedded C, Thing Speak IoT Cloud, Sensors.

NCB Precursor Chemical Tracking Portal

A blockchain-based tracking system ensuring secure and transparent monitoring.

- End-to-end tracking to prevent misuse and ensure regulatory compliance.
- IoT-enabled vehicle monitoring with GPS, pressure, and door sensors.
- Technology Used: React, Node.js, ESP8266, GPS Module, IoT Sensors, Bootstrap.

ACHIEVEMENTS

Runner-Up in Track Tracer at Bannari Amman Institute of Technology

Feb 2024

Second Runner-Up in Hackathon 2025 conducted by Oasys Cybernetics Pvt. Ltd

Jan 2025

Elite Certification in Intellectual Property Portfolio from NPTEL, conducted by IIT Kharagpur

CERTIFICATIONS & COURSE COMPLETIONS

Microsoft Azure Fundamentals – Successfully completed a foundational certification in cloud computing, covering core Azure services, cloud concepts, and security fundamentals.

Lead Acid Battery Care & Maintenance – Certified by CSIR Karaikudi, focusing on battery technology, maintenance techniques, and best practices for efficient operation and longevity.

PLC & SCADA Training – Completed hands-on training in Programmable Logic Controllers (PLC) and Supervisory Control and Data Acquisition (SCADA) systems, gaining expertise in industrial automation and control processes.

TECHNICAL SKILLS and INTERESTS

Languages: C/C++, Embedded C, Python, Java script, HTML+CSS

Libraries : C++ STL, Python Libraries, ReactJs

Web Dev Tools: Nodejs, VS code, Git, Github

Frameworks: React.Js, Embedded C, Arduino Framework

Cloud/Databases: Mongo Db, Relational Database(my Sql), Thing Speak IoT Cloud.

Relavent Coursework: Data Structures & Algorithms, Embedded Systems , Object Oriented Programming, Microcontrollers & IoT.

Areas of Interest: Embedded Systems, IoT, Power Electronics, Digital Signal Processing, Web Development

Soft Skills: Problem Solving, Self-Learning, Presentation, Adaptability, Leadership, Public Speaking

POSITIONS of RESPONSIBILITY

MC Desk Volunteer – Managed the Master of Ceremonies (MC) desk for various events, ensuring smooth coordination and event flow.

- **Team Lead**, Data Dragons – Led the team in HACKATHON 2025 by Oasys Cybernetics Pvt. Ltd.
- **Project Lead**, IoT-Based Digital Stethoscope – Spearheading development, IoT integration, and future research