

HARI KRISHNAN S

Electrical and Electronics Engineer

✉ hkrishnansekar1@gmail.com • ☎ 9176373107 • 📍 Chennai, Tamil Nadu • 🌐 Github • 🔗 LinkedIn

SUMMARY

Motivated Electrical and Electronics Engineer with a robust foundation in embedded systems, AI, and IoT. Dedicated to applying innovative solutions and contributing to cutting-edge projects.

EXPERIENCE

Intern at Southern Railway

July 2023 - August 2023

Learn about the various electrical components of the railway coaches.

- Learn to operate the various electrical equipment associated with the maintenance of electrical components.
- Proposed a piezoelectric power regeneration system.

EDUCATION

Bachelors in Electrical and Electronics Engineering - 84.5%

April 2021 - March 2025

Meenakshi College of Engineering

Higher Secondary Education in Physics, Chemistry, Maths - 74.6%

2018 - 2020

St. Vincent's Matriculation Higher Secondary School

Secondary School Leaving Certificate in General - 93.8%

2017 - 2018

St. Vincent's Matriculation Higher Secondary School

SKILLS

PYTHON • C • SOLIDITY • MS OFFICE • TENSERFLOW • WPLSOFT • GIT • POWER BI • GITLAB CI/CD • MATLAB

PROJECTS

Emotion Detection and Depression Screening

Developed a deep learning model to detect the emotional state of the subject through the facial feature. Combined with a depression screening test to determine the emotional well-being of the subject.

Self-Generative EV Model Using Hybrid Solar-Generator-Piezo Generation

Developed and optimized a hybrid power generation model for EVs to combat range anxiety and increase efficiency.

RFID based Security and Logging System

Developed a logging system with security functionalities including intruder alarm and notification systems.

IOT based Smart Home Automation System

The system integrates various smart devices like lights, thermostats, door locks, security cameras, and appliances into a unified network, allowing users to control them remotely through a smartphone app or voice commands.

CERTIFICATIONS

Blockchain Development from Naan Mudhalvan Upskilling Platform

May 2023

AI&ML Technology from Naan Mudhalvan Upskilling Platform

May 2024

Electric Vehicle Battery Management System from I Prime Skill

October 2023

Cloud Computing from V3 TechServ

May 2024

LANGUAGE

Tamil - English - Hindi