Mohamed Suhail M

Mail id : mohamedsuhail.wrk@gmail.com LinkdIn Id : https://www.linkedin.com/in/mohamed-suhail-4844a4290?utm_source=share&utm_campaign=share_via&utm_content=profile&utm_medium=android_app Phone : 9363279808

Education

HSC (MPC) 2022 - 2023 76%

B.E Electronic and Communication Engineering 2023 – Present CGPA - 7.89

St.Joseph's Institute of Technology, Chennai

Experience

Worked on implementation of encryption algorithm Feb 2025 – Present

fordDeveloped and implemented encryption using the Advanced Encryption Standard (AES) to ensure secure data transmission and storage. Designed the system to encrypt and decrypt sensitive information efficiently while maintaining data integrity and confidentiality

Batteries and design of EV June 2024 – June 2024

ford • It is an online virtual internship • The internship is about the batteries used in electronic vehicles

Projects

Groundbreaking car prototype May2024

Innovation nexus • A groundbreaking Gesture-Controlled AI Car! Leveraging cutting edge AI technology and advanced camera sensors,
our car responds intuitively to hand gestures and eye movements, revolutionizing the driving experience. Whether it's adjusting the volume, changing lanes, or activating specific features, interaction is seamless and hands-free.

Robotic water vehicle June2024

St.Joseph's Institute Of Technology idea prototype Scientists estimates that 91 percentage of species have yet to be classified and most of the places in Ocean are unmapped. so by using this we can map the oceans and explore new species and many new creatures.

MaritimeBorderAlertSystem Oct2024

The Maritime Border Alert System is an innovative IoT-based solution designed to prevent accidental border crossings and enhance maritime safety. Utilizing GPS technology and Arduino-based firmware,

Designed Basic Combinational circuits Oct2024

Designed and simulated basic combinational circuits, including half adder and full adder ,etc... .

Certifications

Python for Data Science(NPTEL-ELITE) , Verilog(Udemy) , SOC (Maven Silicon) , IoT & Electronics(Infosys spring) , VlSI Digital Design(Infosys spring),C programming(Microchip),Embedded C(Microchip),HDL for FPGA design (coursera) .

Domain Specific skills

Programming languages : Python, C++, C .
HDI: Verilog

Tools Used: Modelsim-MentorGraphics , Xilinx ISE , Xilinx Vivado, Arduino IDE , pspice.

Hardware Tools: Arduino UNO, Arduino nano, ESP-32, FPGA (spartan 6).