Mohammad Idhris A

+91 9345277944 | idhrismda7@gmail.com | Kanchipuram, Tamilnadu

The goal of my career is to combine my expertise in Electronics Engineering with my passion for Software development in order to work on cutting-edge projects and foster technical innovation

EDUCATION

ANNA UNIVERSITY
B.E IN ELECTRONICS AND COMMUNICATION ENGINEERING
CGPA:8.28 (TILL 5TH SEMESTER)
College of Engineering Guindy
Chennai, Tamilnadu

CHOLAN MATRIC SCHOOL
Grade 12: 98.77% (School First)
Grade 10: 97.6% (School First)
Kanchipuram, Tamilnadu

LINKS

Github:// **Idhris's Github**
LinkedIn:// **Md Idhris**
Website:// **Idhris's site**

SKILLS

TECHNICAL

Programming Languages:
C • Python

Web Development:
HTML • CSS • Javascript

Problem Solving:
Data Structures and Algorithms

Familiar with:
Operating Systems • SQL • Digital circuits • Microprocessor (8085) and Microcontroller (8051)

Softwares:
ORCAD (PCB design) • Matlab • VS code • Arduino IDE • Proteus

SOFT SKILLS

- Communication
- Team Work
- Project Management
- Adaptability

INTERN EXPERIENCE

QMAX SYSTEMS INC | Summer Intern
Jun 2023 - Jul 2023 | Poonamallee, Tamilnadu

- Tested and validated Power Distribution Units (PDUs) in a Linux-based Environment utilizing GPIO and I2C tools to measure voltage and current readings.
- Utilized ORCAD Capture Cis for PCB schematic design, creating and simulating complex circuits for industrial control systems.

PROJECTS

WEB STOCK ASSISTANT
Web Stock Assistant is a user-friendly web app that streamlines inventory management for retailers, saving time and boosting sales. Built with HTML, CSS, and JavaScript for the frontend, Python and Flask for the server-side, and MySQL for database design, it simplifies inventory tracking, ordering, and control.
Github://Link

FLOOR CLEANING BOT
Developed an innovative floor cleaning BOT using an Arduino Uno Microcontroller. The BOT operates in both automatic and manual modes, utilizing Bluetooth for seamless smartphone control and an ultrasonic sensor for efficient obstacle detection. Equipped with a front-mounted mop and water pump, it ensures thorough and convenient floor cleaning.
Github://Link

AUTOMATIC POLARITY REVERSAL SYSTEM
Developed an automatic polarity reversal circuit for the solenoid engine in the Solenix IC Pulse hybrid engine project. Designed and implemented an H-bridge circuit using solid-state relays controlled by an Arduino Uno microcontroller. This setup efficiently reversed current direction in the solenoid coils, with solid-state relays managing high current and voltage to ensure reliable operation.
Github://Link

CERTIFICATIONS

- NPTEL - Embedded System Design with ARM
- Udemy - Microcontroller Embedded C Programming
- Udemy - The complete SQL Masterclass