

Wajith. B

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 Male  Wajith B

Profile

As a challenging and hard-working student, I am interested in the growth and development of Electronics and Communication Engineering (ECE). The combination of technology innovation continues to fuel my Intellectual curiosity and strengthen my determination to pursue a career in this dynamic field. Gaining experience in an environment where I can effectively use my knowledge and skills, encouraging me to succeed and grow professionally.

Professional Experience

Embedded System Internship - E-Zone

09/2024 – 10/2024 | Tiruchirappalli, India

- Introduction to the Fundamentals of C Programming
- An Examination of Arduino Microcontrollers and Their Associated Hardware
- Exploring the Concepts and Programming of Embedded Systems
- An Approach Based on Project-Based Learning
- Techniques for Interfacing Sensors with Arduino

Stellent Systems PVT LTD Internship

06/2024 – 07/2024 | Bangalore, India

- Acquired knowledge of PLC logic and engaged with SCADA programming for a duration of one month.
- Attained practical experience with various software applications, enhancing proficiency and broadening technical capabilities.

Telecom technologies Internship training – Bharath Sanchar Nigam Limited Internship

01/2024 – 01/2024 | Tiruchirappalli, India

Nigam Limited Internship

- Telecommunications Technologies
- The Process of Telecommunications
- Telecommunications Equipment

Skills

Microsoft Office

(Basic Proficiency)

MATLAB

(Basic proficiency)

C Programming

(Basic Proficiency)

Arduino and Embedded System

(Basic Proficiency)

Digital Electronics

(Basic Proficiency)

Multisim

(Basic Proficiency)

Projects

Real-Time Data Compression for Energy Efficient Underwater Communication Networks,

04/2025

MATLAB-Based Data Compression for Underwater Sensor Networks

Implemented Huffman coding and Linear Predictive Coding using MATLAB to achieve real-time data compression, thereby enhancing communication efficiency and reducing power consumption within underwater sensor networks.

Anti-Sleep Alarms for Drivers,

02/2024

Drowsiness Detection System for Road Safety

Developed a driver fatigue detection system with an Arduino Uno and eye blink sensors. It monitors eye movements in real-time to detect drowsiness and issues alerts, improving road safety. The system is cost-effective, compatible with various vehicle models, and has been tested in different driving conditions.

Education

B. Tech. Electronics and Communication Engineering,

2022 – Pursuing | Tiruchirappalli, India

SRM Institute of Science and Technology

CGPA – 9.07 %

HSC, Seventh-Day Adventists Matriculation Higher Secondary School

2021 – 2022 | Tiruchirappalli, India

Percentage – 83.3 %

SSLC, Seventh-Day Adventists Matriculation Higher Secondary School

2019 – 2020 | Tiruchirappalli, India

Percentage – 85 %

Certificates

Community Connect (Smart Glucose Stand) — A proposed system uses visual indicators like flashing lights and color changes, along with auditory alerts from an IVR message, to notify healthcare providers of low glucose levels, enhancing patient care and operational efficiency.

MSME HACKATHON 4.0 (Raspberry Pi Based Traffic Congestion Control) — Propose a real-time traffic management solution for the Chennai-to-Southern Tamil Nadu corridor using Raspberry Pi and Jetson Nano with AI cameras. The system adjusts traffic light timings based on vehicle density, reducing congestion, delays, and emissions during peak hours and festivals.

Arduino Workshop — Embedded System Using Arduino in E-ZONE

Stellent Systems PVT LTD Internship — Acquired practical experience in the assembly and wiring of Programmable Logic Controller (PLC) systems, developed troubleshooting skills, and established electrical connections for the purposes of industrial automation.

SRM SDG Internal Hackathon (Mind Control Wheelchair) — Proposed a mind-controlled wheelchair using electroencephalogram (EEG) signals to improve mobility for individuals with disabilities, representing a breakthrough in assistive technology.

Languages

English

Tamil

Hindi

Urdu

References

Dr. S. Karthikeyan Shakthivel, Assistant Professor, SRM Institute of Science and Technology, Tiruchirappalli
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