THILAK RAJ K

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+91 9585223129
Dindigul,Tamilnadu,India.
31/03/2002
Thilak Raj K

PROFILE

Motivated and hardworking student with a strong foundation in Electronics and Communication Engineering, seeking to apply my creativity and dedication in a computer science role. Eager to contribute to innovative projects and grow professionally.

EDUCATION

B.E ELECTRONICS AND COMMUNICATION ENGINEERING 2021 – 2025
Karpagam College of Engineering
CGPA-7.31(6th semester)

HSC 2020
Akshaya Academy Higher Seconday School
Percentage-81.4%

SSLC 2018
Akshaya Academy Higher Secondary School
Percentage-81.2%

SKILLS

PROGRAMMING
C, C++
Java
HTML, CSS
JavaScript
React.js
Express.js
AWS

SOFTWARES WORKED
Dev C++
Eclipse
VS code
Mongo db
AWS

HARDWARES WORKED
8051 & 8085 Microcontoller
ESP 32
ESP8266
MSP430

CORE & COMPUTER TECHNICAL
C Programming
Advanced Java
Electric Circuits
Electronics Devices
Digital Electronics
Embedded System
VLSI

TECHNICAL SKILLS
Version Control/Git
API Design
UI/UX Design
Blockchain
Platforms

CERTIFICATIONS

NPTEL
- Electric Circuits(Elite-60%)

COURSERA
- Meta Frontend Developer
- Programming with JavaScript

UDEMY
- Node.js, Express, MongoDB - Udemy
- Figma UI&UX Design
- AWS

PROJECTS

Automated Juice vending Machine
Technologies Utilized-Arduinomicrocontroller, Embedded programming C/C++.
Objective-Vending Machine using Arduino to streamline juice preparation, minimizing wait time, and providing fresh beverages.

Crash Detection System
The system integrates SIM808,MPU6050 accelerometer and a vibration sensor to swiftly detect collisions in a car and inform for emergency service which will reduce catastrophic events.

Automated Public Lighting System
Technology Utilized: ESP32 microcontroller, LDR
Objective: To enhance energy efficiency by automating public lighting based on environmental conditions, reducing manual intervention, and enabling smart, sustainable urban infrastructure.

Website for Tailoring business (Tailor Cut).
Technologies Utilized-HTML, CSS, JavaScript, Bootstrap, React, Express, Node.js.
Objective-Developed the "Tailor Cut" website to revolutionize traditional tailoring practices, offering enhanced convenience and efficiency to customers.

AUTISM SPECTRUM DETECTOR
Technology Utilized: Deep Learning, LSTM, Python, TensorFlow, Keras
Objective: This project aims to develop a model to predict the presence of Autism Spectrum Disorder(ASD) at an early stage using advanced deep learning techniques and the Autism Video Dataset.

PARTICIPATION

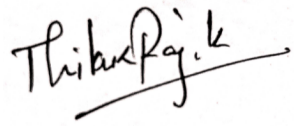
International Hackaton 2023 of smart India Hackathon
The project aims to automate lighting using ESP32 and sensors for smarter energy management, developed for the "Automated Public Lighting" event at Karpagam College of Engineering.

LANGUAGES KNOWN

- ENGLISH
- TAMIL
- MALAYALAM
- TELUGU

DECLARATION

I hereby declare that all the information provided by me in this resume is true and correct to the best of knowledge and belief.



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