

SASIDHARAN A

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[GitHub](#) | [Linkedin](#)

Career Objective

Aspiring web and app developer with foundational experience, seeking a software developer role to leverage my skills and creativity. Eager to contribute to organizational success while advancing my professional growth.

Education

Knowledge Institute of Technology
B.E - Electronics and Communication Engineering
CGPA: 7.91

Salem, Tamil Nadu
August 2021 – Present

Vethathiri Maharishi Matric HR Sec School
Higher Secondary Certificate
Percentage: 88.4%

Salem, Tamil Nadu
June 2020 - May 2021

Vethathiri Maharishi Matric HR Sec School
Secondary School Leaving Certificate
Percentage: 80.4%

Salem, Tamil Nadu
June 2018 - March 2019

Experience

Quest Global | Internship

Bangalore, India | January 2024 - April 2024

Developed the "Credit Bin" project, which involved comprehensive experience in project management, embedded systems, and web and app development. Gained hands-on expertise in managing project tasks, contributing to embedded systems integration, and supporting web and app development efforts. Demonstrated proficiency in 3D design applications throughout the project.

NSIC Technical Services Centre | Internship

Chennai, India | June 2023 - July 2023

During my internship at NSIC Technical Service Centre, I gained valuable hands-on experience programming various boards, including Arduino, and explored the intricacies of PCB and circuit design. This immersive learning experience not only enhanced my technical expertise but also equipped me with essential career and life skills.

Luisant Software Solutions | Inplant Training

Salem, India | August 2022 - August 2022

During my inplant training at Luisant Software Solutions, I immersed myself in website development and search engine optimization (SEO) while gaining valuable insights into backend development. This experience significantly deepened my understanding of the digital landscape and sharpened my technical skills.

Skills

Programming Languages: C, Python, JavaScript, Embedded C.

Tools / Platforms: Arduino IDE, SquareLine Studio, AutoCAD, Blender, Gazebo, QGIS / Git, GitHub, GitHub Desktop, Android Studio.

Databases: Firebase, SQL.

Projects

Credit Bin

CreditBin is an innovative waste management solution that automates waste segregation based on type, promoting efficient and eco-friendly disposal. The system rewards users for responsible waste disposal with points that can be redeemed through a user-friendly mobile app and website. By combining automated waste sorting with a rewards system, CreditBin aims to significantly reduce landfill waste and advance environmental sustainability.

Drone

I am currently developing a drone equipped with a Raspberry Pi for navigation and control. This drone is specifically designed for the delivery of petrol, ensuring efficient and timely transportation. My innovative approach leverages advanced technology to create a reliable and scalable solution for fuel delivery, aiming to revolutionize the logistics and distribution of petrol.

Automatic Door Opening System (Mini Project)

My college mini-project is an Automatic Door Opening System. We utilized an Arduino Uno3 board to manage a servo motor and PIR sensor. The system detects movement through the PIR sensor and signals the Arduino to operate the servo for door opening.

Technical Activities

Shortlisted in the top 50 of the Eyantra Robotics Competition by IIT Bombay.

Participated in the Accenture Innovation Challenge (Hackathon).

Attended a PCB Design Workshop at KIOT.

Presented a paper on "CYBORG" at Sono College of Technology.

Presented a paper on "OSI Model" at Mahindra Engineering College.

Participated in E-Graphie 4.0, a national-level technical contest at Jansons Institute of Technology.

Certifications

Crash Course on Python - Coursera

Learn Database Design with MySQL - EBox

Networking Essentials - Cisco

PCB Design - KIOT

Honors & Awards

Won Internship offer from Quest Global in Ingenium 2023 Contest.

Won Code Kaze contest which was conducted by Coding Ninjas at National level.

Won 3rd prize for a paper presentation on the topic of Cyborg at Sona College of Technology.

Hobbies

Painting.

Meditation.