

Sekar D

To add value to our organization with the help of my active learning skills, and also to work with the fullest effort for the growth of the company and growth of my career.

Projects

Smart Dustbin Using GSM

- Our team of 5 developed a smart dustbin featuring ultrasonic sensors for object detection within 0.5 meters, which triggers the lid to open automatically using a servo motor. We also integrated a GSM module for SMS alerts when the bin is full. This collaborative effort has resulted in a streamlined waste management solution, boosting efficiency and promoting environmental cleanliness.

Smart Soil Analysis

- We've engineered the Smart Soil Analysis System, powered by IoT. This system employs various sensors, including moisture and pH, to analyze soil conditions in real-time. Utilizing a user-friendly web platform, it offers tailored plant recommendations and supports informed decision-making for farmers.

Water Management Network

- Contributed to a college hackathon project focused on real-time water monitoring. Designed and implemented hardware for water level, pH, and pipeline monitoring with SMS alerts. Developed a user-friendly web interface using HTML, CSS, JavaScript, and React.js. Collaborated with a team to successfully implement the Water Management Network, showcasing teamwork and problem-solving skills.

Educational Background

Electronics and Communication Engineering

Knowledge Institute of Technology
Scored 7.43 CGPA (upto 5th Sem)
2021 - 2025

Higher Secondary Certificate

Vethathiri Maharishi Matric Hr Sec School
Scored 74.24%
2019 - 2021

Secondary School Leaving Certificate

Salem Hi-Tech Matric High School
Scored 63%
2018 - 2019

Contact

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Skills

- C
- Java
- Python
- HTML, CSS
- JavaScript

Certification

- C Program by Neo Pat
- HTML & CSS by Cisco Thingqbator
- Internet Of Things by IBM
- Python by Telusko in Udemy
- Networking (Ongoing)

Area Of Interest

- Embedded System
- Web Development

Languages

- English
- Tamil

Hobbies

- Listening to music
- Watching Movies
- Playing Games

Clubs And Forums

- Smart Devices and Embedded System

Internship

Embedded System With AI & IOT

- **Project Tutor:** Praveen K
- **Industry Name:** NSIC, Chennai
- **Project Description:** Learned to build power supplies and design PCBs in the domain of Embedded Systems with AI & IoT.
- **Date with Duration:** Two-week internship completed (July/2023)

Web Development and Digital Marketing

- **Project Tutor:** Arunkarthick S
- **Industry Name:** Luisant Software Solution
- **Project Description:** Acquired skills in building websites and implementing digital marketing strategies during the internship in Web Development and Digital Marketing.
- **Date with Duration:** One-week internship completed (August/2022)

WorkShop

- Completed a one-day ThingSpeak workshop, gaining expertise in ESP32 and cloud connectivity for IoT data analysis.
- Completed a PCB design workshop using Proteus software, acquiring skills to create and simulate printed circuit boards for electronic projects.

Event Participation

Event Name: FAA

- **Title:** Presented a paper on Wi-Fi 6
- **Organized By:** INTEC
- **Date of Participation:** (2023)

Event Name: Tech Talk

- **Title:** Presented a talk on Chat-GPT
- **Organized By:** INTEC
- **Date of Participation:** (2023)

Event Name: Symposium

- **Title:** Presented a paper on III-4.0
- **Organized By:** PSG College of Technology
- **Date of Participation:** (October/2022)

Event Name: Symposium

- **Title:** Presented a paper on Chat-GPT For Blockchain
- **Organized By:** Mahendra Engineering College
- **Date of Participation:** (March/2023)

Event Name: Hackathon

- **Title:** Water Management Network
- **Organized By:** KIOT istart
- **Date of Participation:** March / 2024

Event Name: Make A Product

- **Title:** Smart Dustbin Using GSM Module
- **Organized By:** INTEC & SDE Club
- **Date of Participation:** March / 2023

Achievement:

- **Award:** Second Place in Hackathon
- **Prize:** Seed fund of Rs. 10,000

Achievement:

- **Award:** First Place in MAP

Extra Curricular Activities

- Successfully conducted the Inter College Symposium IMAGE 2k23, which attracted over 500 participants from across the other colleges.

Declaration

- I hereby declare that all the information provided above is true and accurate to the best of my knowledge.