Nandha Kumar S

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ACADEMIC DETAILS

B.E., Electronics & Communication Engineering — 75.5%

Varuvan Vadivelan Institute of Technology, Dharmapuri | 2025

CLASS XII — 457.94 MARKS

Tamil Nadu Board of Secondary Education (DGE) | Dawn martic H.r. Sec. School | 2021

CLASS X — 313 MARKS

Tamil Nadu Board of Secondary Education (DGE) | Dawn martic H.r. Sec. School | 2019

EXPERIENCE

App Developer, emglitz technologies

Jul 2024 - Aug 2024

I learn about java and xml to create a basic app .

i create remote patient health monitoring application

PROJECTS

AI Enhanced Ibeacon and LoRa Based Women Saftey System

Mar 2025 - Jun 2025

The **AI-Enhanced iBeacon and LoRa-Based Women Safety System** is an innovative solution designed to ensure women's safety through **real-time tracking emergency alerts**, and **AI-powered automatic SOS triggers**. The system uses a combination of **iBeacon (Bluetooth-based indoor tracking)** and **LoRa (Long Range, low-power communication)** for both **indoor and outdoor positioning**

This hybrid tracking system is coupled with **AI algorithms** that detect emergencies based on movement patterns, voice detection (Like "HELP" Keyword) automatically triggering an SOS alert if the user is in danger. The alert is sent to guardians, local authorities, or nearby help centers along with the user's location.

COURSES

Embedded and IOT
Python
Android Development

SKILLS

Python
HTML + CSS
Flask
Java
Git
C Programming
C++
C#
MATLAB
SQL Server Management Studio

POSITION OF RESPONSIBILITY

Class Representative– Varuvan Vadivelan Institute of Technology
Nov 2021 - May 2025

EXTRA CURRICULAR ACTIVITIES

Seminar

COMPETITIONS

TCS Code Vita
May 1, 2024

LANGUAGES KNOWN

English ,
Tamil

The Remote Patient Chat Application

Aug 2024 - Nov 2024

The **Remote Patient Chat Application** is a basic Android app that enables real-time messaging between patients and doctors. Designed with ease of use in mind, this app provides a clean interface for chatting, along with basic user registration and login features. It helps patients consult doctors remotely and get advice without visiting a hospital.

AI ChatBot Using Python

Jan 2023 - May 2023

This project implements an **AI ChatBot in Python** that uses a **predefined dataset of questions and answers** to simulate conversation. Instead of training on large corpora, the bot uses a structured dataset to answer queries through simple **similarity matching** techniques like **cosine similarity** or **TF-IDF vectorization**

This chatbot is useful for **FAQ systems** in colleges, customer support, or any domain where the questions are known in advance.

IOT College Attendance using RFID

Sep 2022 - Sep 2022

The **IoT-based College Attendance System using RFID** is an automated system designed to streamline and secure student attendance in educational institutions. The system uses **RFID (Radio Frequency Identification)** tags issued to each student and an **RFID reader** placed at the entrance of the classroom or campus. When a student enters, they simply scan their RFID tag, and the system automatically records their attendance.

The data is then transmitted through the **IoT (Internet of Things)** infrastructure to a **cloud-based server** or **local database**, where attendance logs are securely maintained and can be monitored in real-time by faculty or administration.