

# SURAJ PS

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## EDUCATION

**KLN COLLEGE OF ENGINEERING**  
**B.E. IN COMPUTER SCIENCE AND**  
**ENGINEERING**  
Pottapalayam, Sivaganga  
Cum.GPA: 7.4

## SKILLS

### PROGRAMMING

PHP  
JavaScript  
C basics

### WEB TECHNOLOGIES

HTML  
CSS

MySQL

React JS

### TOOLS

Git | GitHub  
Visual Studio Code  
XAMPP

IntelliJ IDEA

Android Studio

### LIBRARIES & APIS

HybridAuth  
API Integration

## CERTIFICATIONS

AWS Academy Cloud Foundation  
Foundation of CyberSecurity

## ADDITIONAL

## INFORMATION

### LANGUAGES

English  
Tamil

### HOBBIES

Watching Movies  
Web Development

### ACHIEVEMENTS

IEEE Conference research paper on  
Cloud-Integrated Dynamic Freshener  
for Indoor Air Quality  
Management.(2025)

IEEE research paper on IoT-Enabled  
Smart Room Freshener For Enhanced  
Indoor Air Quality Management. (2024)

## WEB DEVELOPMENT PROJECTS

### **FULL-STACK ADMIN DASHBOARD & CMS** Sep 2025 – Oct 2025 |

Personal Project

- Developed a comprehensive admin dashboard from scratch using PHP and MySQL.
- Implemented a secure, role-based authentication system to manage user permissions.
- Built full CRUD (Create, Read, Update, Delete) functionality for managing site content, such as posters and user profiles.
- Integrated a dynamic Kanban board feature for project management.

### **RESTAURANT WEBSITE & BOOKING SYSTEM** Sep 2025 |

Personal Project

- Designed and developed a dynamic website for Restaurant using PHP and MySQL.
- Built a system to fetch and display dynamic content (menus, ambience) from a database.
- Created a complex booking form for pre-ordering food and calculating advance payments.

## IOT & HARDWARE PROJECTS

### **CLOUD-INTEGRATED DYNAMIC FRESHENER FOR INDOOR AIR QUALITY MANAGEMENT** Jan 2025 – Apr 2025 | Madurai,

TamilNadu

- Designed and implemented a cloud-connected solution combining hardware, software, and UI components to autonomously manage indoor air quality.
- Enhanced system efficiency with motion detection and usage tracking, ensuring minimal waste and timely replacement of freshener units.

### **IOT-ENABLED SMART ROOM FRESHENER FOR ENHANCED INDOOR AIR QUALITY MANAGEMENT** Aug 2024 – Nov 2024 |

Madurai, TamilNadu

- Developed an intelligent, autonomous, IoT-capable air freshener system using Arduino, equipped With fuzzified control logic that responds to air quality monitoring.
- Attached movement sensors and a graphical user interface to keep track and notification of air level and freshener stock levels.

## POSITION OF RESPONSIBILITY

### **TEAM LEAD FOR A COLLEGE PROJECT: CLOUD-INTEGRATED DYNAMIC FRESHENER FOR INDOOR AIR QUALITY MANAGEMENT**

Jan 2025 – Apr 2025 | Madurai, TamilNadu

Team Leader