



VIMALRAJ N
Electronics and Communication Engineering
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Education

Year	Degree/Certificate	Institute/School	CGPA/Percentage
2021-2025	B.E-ECE	Sri Ramakrishna Engineering College, Coimbatore.	7.12 (up to 6-Sem Current)
2021	HSC	Government Higher Secondary School, Sellappampatty, Namakkal.	79.85%
2019	SSLC	Star Matriculation Higher Secondary School, Periyamanali, Namakkal.	60%

Area of Interest

1. Full Stack Development.
2. IOT Automation.

Projects

- **Crowd Management and Event Map Website for Festivals** **Completed**
In this Project , A crowd management and event map website is developed to enhance festival experiences by providing historical and cultural information, displaying nearby essential amenities (toilets, water sources, police stations, fire stations), and offering real-time navigation from user locations to these services, all through a user-friendly interface.
- **Webpage Development for Government School** **Completed**
Develop an inclusive, user-friendly webpage for government schools to enhance educational outreach. Facilitate seamless communication, streamline information dissemination, and promote transparency. Prioritize user experience, ensuring the website serves as a centralized hub for resources, announcements, and interactive tools, fostering a digitally empowered educational community.
- **Application Development For Library Management** **Completed**
The mobile app extension enhances library services with features like remote book searches, availability checks, and hold placements. Push notifications for overdue books and events boost engagement. It also offers a digital library card for seamless borrowing transactions directly from users' devices, providing a comprehensive and convenient library experience.

- **IoT-Based Accident Prevention System at Railway Barrier**

Completed

Developing an IoT-based accident prevention system for railway crossings using GPS and ThingSpeak improves safety. The NodeMCU microcontroller detects approaching trains via GPS, triggering gate closure and road blocker opening. Alerts (red light, buzzer, LCD) notify road users. Post-departure, gate reopens, road blocker closes with green light. ThingSpeak stores data for analysis, ensuring adaptability and effective accident prevention in diverse transport systems.

- **ATM Security System Using Image Processing**

Completed

Addressing the rising issue of unauthorized ATM transactions, our new security system implements advanced transaction monitoring and real-time alerts. By leveraging AI and machine learning, it detects unusual activity patterns, immediately notifying users and freezing transactions if anomalies are detected, thus enhancing overall account security and protecting against fraudulent activities effectively.

Technical Skills

- **Programming Languages:** C, HTML, CSS, JavaScript, React JS, Node JS.
- **Software Known:** Microsoft Visual Studio Code, MATLAB, Arduino IDE.

Certificates and Key Course Taken

- Completed 45 hours of Value-added Program titled “Wireless 5G Communication” organized by ECE department at SREC.
- Completed “C Programming for Beginners”, Certified Course by Springboard offered by INFOSYS.
- Completed a Course on “Digital Twin” conducted by Praya Labs.

Project Certifications

- Participated and got selected in the internal Smart India Hackathon 2023 for the project titled “IRIS Controlled Wheelchair”.
- Participated in the “NEXUS’23 National level Technical Symposium” organized by the Government College of Technology, Coimbatore.
- Participated in the “SREC INNOVATE 2023” with the project titled “IoT Based Accident Prevention System at Railway Barrier” at SREC.

Extra-curricular Activities

- Member in National Service Scheme (NSS) and Yi Yuva club.

Personal Details

Date of Birth : 27-06-2003

Languages Known : English, Tamil, Kannada.

Address : Near Sowdeswariamman temple, Manali Jedarpalayam, Periyamanali,
Namakkal.

I solemnly declare that all the above information is true to the best of my knowledge and belief.

Place: Coimbatore

Vimalraj N