Karan S

ELECTRONICS AND COMMUNICATION ENGINEER

+91 7449104243 | karan.s2020ece@sece.ac.in | GitHub | LinkedIn

PROFESSIONAL SUMMARY

Highly motivated and passionate developer, proficient in programming languages and web technologies. Skilled in problem-solving and web development, including frameworks such as React.js. Excited to contribute my technical skills and creativity to the team. Seeking an challenging position to further enhance my skills and contribute to the success of a progressive organization.

PROJECTS

Clime   (Web Application)

The Clime app is a weather application built using React and the OpenWeatherMap API. It allows users to search for a specific location and get real-time weather data, including temperature, humidity, wind speed, and more. The app features a user-friendly interface with a simple search bar and displays weather information in an easy-to-read format.

Tillage Rental (on-going)   (Web Application)

The Tillage Rental Webpage connects farmers with tillage equipment owners, offering a convenient online marketplace for renting agricultural equipment. It streamlines the process of finding and renting tillage equipment, promoting resource optimization and sustainability in agriculture.

Tic-Tac-Toe   (Web Application)

This is a web-based Tic-Tac-Toe game developed using HTML, CSS, and JavaScript. The game enables users to play against another player on the same device, providing an intuitive interface with responsive design for optimal gaming experience. Additionally, the game includes the option to restart, and it keeps track of which player wins to enhance the gameplay experience. With its user-friendly interface and classic gameplay, this Tic-Tac-Toe game offers an enjoyable way to spend time online.

Solar Panel controlling system   (Emb)

This project involves building a solar panel controlling system using an Arduino Uno microcontroller, an LDR sensor, a servo motor, a voltage sensor, and an LED display. The system is designed to automatically adjust the angle of the solar panel to maximize energy production, based on the amount of sunlight detected by the LDR sensor and the voltage level of the panel. The LED display provides real-time feedback on the system's performance.

TECHNICAL SKILLS

- **Programming Languages**   - C | Java
- **Query Languages**   - MYSQL | MONGODB
- **Web Technologies**   - HTML | CSS | JavaScript | Node JS
- **Core Concepts**   - OOP's | DBMS
- **Library**   - React JS
- **Tools**   - VS-Code | GitHub | Tinkercad | Canva | Netlify | Arduino IDE

CERTIFICATIONS

- JAVA Programming : Udemy, 11th December 2022 | Certificate
- Basics of Web-Internet Fundamentals : Codedamn, 4th February 2023 | Certificate
- JavaScript Basics : Codedamn, 19th February 2023 | Certificate
- React 18 : Codedamn, 12th April 2023 | Certificate
- UI/UX for Beginners : Great Learning, February 2023 | Certificate
- C and Embedded C Programming : Udemy, 16th September 2022 | Certificate
- Machine Learning Onramp : MATLAB, 8th September 2022 | Certificate

INTERESTS

- **Technical Interests :** Web development | Embedded & Iot | Blockchain
- **Interests :** Programming | Cooking | Travelling | Photography

ACHIEVEMENTS AND EXPERIENCE

- **Leetcode :** solved 100+ problems | Profile Link
- **Skillrack :** solved 1900+ problems | Received 25+ certificates | 800+ Bronzes | Profile Link
- **Hacker Rank :** Problem solving (Basics), SQL (Basics) | Skill Test | Profile Link
- Participated in MSME hackathon
- Participated in NETSE paper presentation
- Participated in Learnathon 2022

PROFESSIONAL DEVELOPMENT / TRAINING

- **Workshop** on **"Core Training on PLC"**, Kumaraguru College of Technology, May 2022
- **Workshop** on **"Cyber Security for electronical and computer applications"**, Vellore Institute of Technology, September 2022
- **Internship** on **"Core concepts",** Sri Eshwar college of Engineering, July 2022. 6 days.

EDUCATION

Sri Eshwar College of Engineering Bachelor of Electronics and Communication Engineering	**2020 - 2024** **CGPA :** 8.43*
Veveaham Higher Secondary School Higher Secondary School Certificate	**2020** 76.5 %
Vidhya Nethrra Higher Secondary School Secondary School Leaving Certificate	**2018** 83 %

LANGUAGES

TAMIL (R,W,S) | ENGLISH (R,W,S)

ROLES AND RESPONSIBILITIES

- Served as the Treasurer of the ECE Association, overseeing financial budgeting for the organization.
- Acted as a Student Mentor in the Vertical Mentoring at SLC, providing guidance and support to fellow students.
- Led a project team, taking on the role of Project Team Lead, and successfully coordinating and managing the team's activities.

INTERPERSONAL SKILLS

- Developed leadership skills by taking on roles of responsibility and effectively guiding teams towards achieving goals.
- Enhanced communication skills through clear and concise expression of ideas, active listening, and effective feedback.
- Honed presentation skills through delivering engaging and informative presentations to various audiences.
- Demonstrated efficient time management by successfully balancing multiple tasks and meeting deadlines.