SAMRAJ N

samraj6083@gmail.com Portfolio Linkedin.com/Sam Raj Github.com/Samraj5413

Career Objective

I'm a tech enthusiast with a strong interest in web development, backend systems, and cloud computing. With a foundation in Electronics and Communication Engineering, I approach challenges with a problem-solving mindset and a passion for building scalable, real-world solutions. I thrive in environments that encourage continuous learning and innovation, whether it's developing interactive web applications, exploring serverless architectures, or working with modern tech stacks.

Education

Prince Shri Venkateshwara Padmavathy Engineering College *Oct 2021 – Present*
BE in Electronics and Communication Engineering

- GPA: 7.0/10.0

Karapettai Nadar Higher Secondary School *Jun 2019 – Mar 2021*
Computer Science

- Percentage: 78%

Experience

Intern Trainee *Chennai*
Base Automation Technologies *Aug 2024 – Sep 2024*

- Assisted in the assembly and testing of control panels used in automated systems.
- Gained hands-on experience working with Human Machine Interfaces (HMIs) for system monitoring.
- Supported the integration of relays and PLCs into industrial automation solutions.
- Collaborated with the team to troubleshoot and ensure the smooth operation of control systems.

Projects

URL Shortener *Link*

- A URL shortening application built using html , css , javasciript , python(Flask) , and MySQL. It allows users to shorten long URLs and provides a user-friendly interface for managing shortened links.
- Tools Used: HTML, CSS, JavaScript, Flask

E-Commerce Site *Link*

- A dynamic e-commerce platform built using React JS and React Router for seamless navigation. The app features a clean and responsive design powered by Tailwind CSS, with pages for browsing products, viewing the menu, and managing the shopping cart. State management is handled using React Context API to ensure a smooth and interactive user experience.
- Tools Used: ReactJS, Tailwindcss

AR-Based Real-Time Patient Health Monitoring System *Link*

- A smart healthcare system that uses IoT sensors to collect real-time vitals like heart rate, oxygen, temperature, and glucose. Built with Unity 3D, Vuforia, and Firebase, it displays patient data on a 3D heart model using AR via QR code. This enhances emergency response by enabling quick, accurate medical assessments.
- Tools Used: IoT sensors, Arduino Mega, ESP8266, Unity 3D, Vuforia Engine, Firebase, Django

Technologies

Languages: Java, JavaScript

Technologies: FastAPI, Flask, ReactJS, TailwindCSS, Firebase, Git, AWS