PRAVEENA MANIVANNAN

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Linkedin Profile
Github Link

SUMMARY

I am an enthusiastic B.E. Electronics and Communication Engineering (Hons.) graduate passionate about web development. Skilled in React.js, Tailwind CSS, Redux Toolkit, Vite, Netlify, Python, HTML, CSS, and JavaScript, with experience building responsive and interactive applications. Strong foundation in embedded systems and telecommunications. Eager to contribute to innovative projects while continuously learning and growing as a full-stack developer.

PROJECTS

WEB APPLICATIONS

1. Personal Portfolio App

Designed a responsive portfolio website showcasing projects, skills, and a contact form with smooth animations. Demonstrates UI/UX sense and frontend development skills.

Technologies: React, Tailwind CSS, Framer Motion

Live Demo

2. Task Manager App

A simple task manager built with react.js and material-ui (MUI). Add, edit, delete, and filter tasks with dark/light mode support and local storage.

Technologies: React.js, JavaScript, Material-UI (MUI), Local Storage

Live Demo

3. ShopZen (E-commerce app)

ShopZen is a modern, responsive e-commerce web application built with React, Redux Toolkit, and Material-UI. It allows users to browse products, view details, manage a shopping cart, place orders, and submit feedback.

Technologies: React.js, Redux Toolkit, Material-UI, React Router

Live Demo

IOT PROJECTS

1. IoT Based Speed Control and Accident Avoidance Using AI Road Sign Detection System

Developed an IoT-based system with AI speed sign detection, driver alcohol monitoring, and real-time alerts to improve road safety.

Technologies: Arduino NANO, Embedded C, Python, GSM, LCD, Alcohol Sensor, Proteus 8

2. Wet & Dry Waste Segregation Using Arduino UNO

Developed an Arduino-based system using ultrasonic and soil moisture sensors to classify wet and dry waste, directing it into bins via servo motor for efficient, sustainable waste management.

Technologies: Arduino UNO, Ultrasonic Sensor, Soil Moisture Sensor, Servo Motor, Relay Module

EDUCATION

B.E.(Hons). - 8.68 CGPA

Mookambigai College Of Engineering

2021 – 2025 Keeranur, Tamilnadu

HSC - 90%

The Girls Higher Secondary School

2021 Srirangam, Tamilnadu

SSLC - 91%

The Girls Higher Secondary School

2019 Srirangam, Tamilnadu

SKILLS

- **Frontend:** **React.js, Tailwind CSS, HTML, CSS, JavaScript.**
- **Backend & Tools:** **Python, Git, GitHub, Netlify.**
- **Embedded/IoT:** **Arduino, Embedded C, Sensors, GSM.**
- **Others:** **UI/UX Design, Excel.**

ACHIEVEMENTS

- **2nd Prize** in Wet and Dry Waste Segregator project competition for sustainable waste management solutions.
- **2nd Grade Shield** for academic excellence in the Electronics and Communication Engineering department (3rd year & final year).

CERTIFICATIONS

- Completed training on **Programming with Python** in **INTERNSHALA**
- Completed computer vision in **NPTEL**
- Completed Workshop in 3D printing, IOT.
- Certified in National Intellectual Property Awareness Mission.

LANGUAGES

- Tamil
- English