

# Oggu Pavan

Hyderabad, India

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github.com/Opavan | linkedin.com/in/pavan | opavan-portfolio.vercel.app

## Professional Summary

Frontend Developer specializing in React.js with hands-on experience building responsive web applications. Proficient in modern JavaScript, component-based architecture, and performance optimization. Demonstrated ability to deliver production-ready applications with clean code and intuitive UI/UX.

## Technical Skills

**Frontend:** React.js, Next.js, JavaScript (ES6+), HTML5, CSS3, TypeScript

**Styling & UI:** Tailwind CSS, Material UI, Responsive Design, Mobile-First Development

**State Management:** Context API, React Hooks (useState, useEffect, useReducer, useMemo)

**Backend & APIs:** Node.js, Firebase, REST APIs, Socket.IO, WebSocket

**Tools:** Git, GitHub, Vite, npm, VS Code, Chrome DevTools

## Projects

### EcoShop – Sustainable E-Commerce Platform | GitHub | Live Demo

Tech Stack: *React.js, Recharts, Framer Motion, Context API, React Router*

- Developed responsive e-commerce platform with **15+ reusable React components** featuring product catalog, shopping cart, wishlist, and JWT authentication
- Implemented **carbon footprint tracking** using Recharts with interactive data visualization and eco-gamification features
- Optimized performance achieving **90+ Lighthouse score** through code splitting, lazy loading, and efficient state management
- Enhanced UX with Framer Motion animations, dark/light theme toggle, and mobile-first design across 5+ breakpoints

### AdminHub – Role-Based Admin Dashboard | GitHub | Live Demo

Tech Stack: *React.js, Vite, Tailwind CSS, React Router v6*

- Built admin dashboard with **role-based access control** and protected routes, supporting multiple user permissions
- Designed **scalable architecture** with 20+ reusable UI components following atomic design principles
- Implemented responsive sidebar navigation, data tables, analytics charts, and dark/light mode using Tailwind CSS
- Integrated form validation, error handling, and loading states for robust user experience

### Real-Time Chat Application | GitHub | Live Demo

Tech Stack: *React.js, Node.js, Socket.IO, Express.js*

- Engineered real-time messaging platform supporting **multiple chat rooms** with instant message delivery using WebSocket
- Developed typing indicators, online/offline presence, message timestamps, and **low-latency communication**
- Implemented responsive interface with **efficient re-rendering** using React.memo and useMemo hooks
- Built RESTful backend API with Express.js for user authentication and room management

## Education

### Malla Reddy Institute of Technology and Sciences

Hyderabad, India

Bachelor of Technology in Computer Science and Engineering

2022 – 2026

CGPA: 8.0/10.0 — Relevant Coursework: *Data Structures, Algorithms, DBMS, Web Technologies*

## Professional Certifications

- Responsive Web Design Certification** – freeCodeCamp (300 hours)
- JavaScript Algorithms and Data Structures** – freeCodeCamp (300 hours)
- Front End Development Libraries** – freeCodeCamp (300 hours)
- React.js Certification** – Great Learning
- Problem Solving (Intermediate)** – HackerRank