

MANLIN ROSWA R

Frontend Developer | React Developer | Full Stack Developer | UI/UX Designer

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PROFESSIONAL SUMMARY

Computer Science Engineering graduate (2025) with practical experience building full-stack web applications using React.js, Node.js, Express.js, and MongoDB. Delivered real-world projects including a live GPS-based bus tracking system integrated with OpenStreetMap API and a WebSocket-powered real-time chat platform. Skilled in responsive UI development, REST API integration, component-based architecture, and Figma-driven UI/UX workflows. Seeking frontend, full-stack, or software engineering roles in agile product teams.

TECHNICAL SKILLS

Frontend:	React.js, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Bootstrap, Responsive Design
Backend:	Node.js, Express.js, REST API Design, Socket.IO, JWT Authentication
Databases:	MongoDB, MongoDB Atlas, Mongoose ODM, MySQL, SQL
UI/UX & Design:	Figma, Adobe XD, Adobe Illustrator, Wireframing, Prototyping, User Flows
Mobile & Tools:	Flutter, Git, GitHub, GitLab, VS Code, Canva Pro
Languages:	JavaScript, Java, Python
Concepts:	Agile, Version Control, Unit Testing, API Integration, Component Architecture

PROJECTS

Bus Tracker — Real-Time Fleet Monitoring Web Application

Node.js · Express.js · MongoDB Atlas · OpenStreetMap API · JavaScript

- Built a full-stack real-time bus tracking app with role-based dashboards for drivers and passengers, mirroring production fleet-management patterns.
- Integrated OpenStreetMap API for live GPS route rendering with location updates refreshing in under 3 seconds per cycle.
- Designed a scalable MongoDB Atlas schema supporting 100+ concurrent vehicle, route, and driver records with optimised querying.
- Implemented role-based authentication and access control to enforce data separation between driver and passenger modules.

Random RoomChat — Real-Time Multi-Room Chat Platform

Node.js · Express.js · Socket.IO · JavaScript · HTML5 · CSS3

- Developed a WebSocket-based chat application with dynamic multi-room creation, instant message broadcasting, and real-time user join/leave events via Socket.IO.
- Managed server-side session and room state to maintain consistent user experience across concurrent active connections with minimal latency.

MechaFinder — On-Demand Mechanic Discovery App (UI/UX Design Project)

Figma · Adobe XD · Wireframing · Prototyping · User Research

- Produced 25+ wireframe and high-fidelity screens covering user onboarding, service booking, and live mechanic availability for two distinct personas.
- Mapped 6 end-to-end task flows for car-owner and mechanic personas; built a reusable Figma component library for consistent design handoff.

INTERNSHIPS

Cyber Security Intern — Redington, Sivakasi

Jan 2025 – Feb 2025

- Completed a structured cybersecurity training programme covering network security, threat analysis, and vulnerability assessment — awarded Grade A certification.
- Applied risk mitigation frameworks and incident-response strategies through hands-on lab exercises on live network environments.

App Development Intern — Phoenix Softech, Madurai

May 2022 – Jun 2022

- Built a functional Java application prototype, designing core UI components to improve navigation flow and interaction clarity.
- Collaborated within a 5-person team using iterative feedback cycles; performed systematic unit testing and debugging, reducing crash frequency by 15%.

EDUCATION

B.E — Computer Science and Engineering — AACET, Sivakasi

Sep 2021 – May 2025

GPA: 7.70 / 10.0

CERTIFICATIONS

AWS Cloud Architecture Certificate Course

Mar 2024

UI/UX Design Workshop Certification

Mar 2023

Cybersecurity Certificate, Redington — Grade A

Jan 2025