

NARENDRAN VELAGA

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About

Full-Stack Developer with hands-on experience building responsive web applications using **React, Node.js, Express, MongoDB, SQL**. Developed **scalable** full-stack projects and **contributed** to production-grade codebases during an internship. Improved UX based on designs given in Figma, and built real-time features with Socket.IO and JWT authentication.

Education

Dayananda Sagar College of Engineering

Bachelor of Engineering in Information Science (CGPA - 8.62)

Nov. 2022 – Present

Bangalore, Karnataka

Little Woods School

PCM (CBSE) – Higher Secondary (Senior School)

May 2021 – April 2022

Kakinada, Andhra Pradesh

Technical Skills

Languages: C, C++, HTML/CSS, JavaScript, Typescript, EJS, Python

Databases: SQL, MongoDB, PostgreSQL

Developer Tools: Git(GitHub, Gitlab), VS Code, Jira, Postman

Libraries & Frameworks: React, Node.js, Express, REST API, Tailwind CSS

Experience

StackZero

July 2025 – Present

Web Development Intern

- Contributed to **resolving front-end bugs** in a production-grade **React** codebase, using **Git** for version control and effective collaboration within a multi-developer environment.
- Participated in **daily Scrum** meetings and collaborated closely with team members during **Agile sprint cycles** to plan, develop, and ship new features under tight deadlines.
- Assisted in designing and developing the **Dreamz Designz** website, focusing on creating an engaging, responsive, and user-friendly UI experience.

Projects

AutoCare Hub - Vehicle Maintenance Service | *Node.js, Express, EJS, SQLite3*

May 2025

- Built a full-stack web application for **booking vehicle maintenance services** with secure user authentication (**bcryptjs**), structured profiles, booking history, and a responsive **EJS**-based frontend using reusable components.
- Implemented MVC architecture with modular routes, controllers, and **SQLite** models; resolved session persistence challenges in multi-service selection by managing query parameters and storing service IDs in sessions.

SchedulAI - AI Task Manager | *MongoDB, Express.js, React.js, Tailwind CSS*

August 2025

- Built a full-stack task management application on the **MERN** stack that provides **AI-powered** scheduling, smart task grouping into "focus sessions," and a fully responsive, installable PWA interface for seamless offline use with IndexedDB.
- Implemented secure authentication with **JWT** and **bcript**, complete CRUD for tasks, and handled concurrent backend/frontend service challenges to ensure seamless real-time operations.

Whisper App - Real-time Chat App | *MongoDB, Express.js, React.js, Socket.IO*

July 2025

- Developed a full-stack real-time chat app on the **MERN** stack with private and group conversations, secure authentication, responsive UI, search, chat previews, modals, and toast notifications using **React** and **Tailwind CSS**.
- Integrated **Socket.IO** for live messaging, typing indicators, and chat room updates; resolved race conditions in message delivery and user status sync with client-side state checks and debounced socket events.

Extracurricular

- Attended leadership session on communication at **Centre for Innovation and Leadership**.
- Collaborated in a 4-member team to develop a **Test Paper Evaluator** for department teachers.