

# UDHAYAKUMAR V

Chennai

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udhayakumar-gv

## Profile

As a dedicated and detail-oriented software developer with over three years of hands-on experience, I am deeply passionate about crafting seamless, high-performance digital experiences. My journey in web and mobile development has fueled a constant drive for innovation and learning, allowing me to blend creativity with technical precision. I thrive on turning complex problems into intuitive solutions—whether it's building responsive user interfaces, architecting scalable backend systems, or optimizing performance for real-world usage.

## Work Experience

**Vega Intellisoft Pvt Ltd ,Chennai | Application Developer** Saint-Gobain India Pvt Ltd, Chennai Feb 2024 - Present

- Designed and developed full-stack web applications using **React** for front-end development and **Node.js** for back-end services, resulting in enhanced performance, scalability, and code maintainability.
- Built responsive web and mobile interfaces using **HTML5, CSS3, Tailwind CSS, JavaScript (ES6+), TypeScript, React.js, React Material UI, Tailwind Material, Vite, and React Native CLI**.
- Developed scalable server-side APIs with **Node.js** and **Express**, supporting complex application logic.
- Integrated **SQLite** for efficient local data storage and retrieval, enabling offline capabilities and optimizing performance in mobile and lightweight web applications.
- Collaborated with cross-functional teams to design, implement, and deploy new features, fix bugs, and optimize application performance using tools such as **Git** for version control and **Postman** for API testing and validation.

**Junior web Developer** Intech Systems Chennai Pvt Ltd, Chennai Dec 2022 - Feb 2024

- Developed and enhanced **web-based applications** using modern technologies such as **HTML5, CSS3, JavaScript, React.js, and Node.js**, improving functionality, user experience, and maintainability.
- Developed front-end and back-end features using **React** for responsive user interfaces and **Node.js/Express** for building **RESTful APIs**, enabling seamless communication between client and server.
- Collaborated with developers to implement new features, troubleshoot and fix bugs, and enhance application performance using **MongoDB** for database management, **Git** for version control, and **Postman** for API testing.

**Internship as Frontend Developer** doodle blue innovation Pvt Ltd, Chennai May 2022 - Dec 2022

- Developed dynamic and responsive **user interfaces** using **Angular**, significantly improving **user experience** and application usability across platforms.
- Assisted in creating reusable components, services, and modules, collaborating with the team to **optimize performance** and maintain a clean, scalable **code architecture**.

## Education

**Bachelor's of Mechanical Engineering | Coimbatore - 70%**  
Tamilnadu College of Engineering

Aug 2016 - Sep 2020

## Projects

### Gyproc

- Designed a responsive and modular interface using **Vite, TypeScript, Tailwind CSS, Tailwind Material, and ShadCN UI**, ensuring performance and clean user experience.
- Implemented **secure authentication and role-based authorization** using **JWT tokens**, enabling controlled access for contractors, vendors, and administrators.
- Built **multi-tenant architecture** to support multiple Gyproc branches, franchisees, or partner networks with isolated data and tenant-specific settings.
- Integrated **multi-language support** (i18n) to serve regional users in their local languages, enhancing accessibility and user adoption across markets.
- Added **multi-currency functionality**, allowing users to view product pricing, estimates, and orders in their local currency with configurable exchange rates.
- Developed an interactive product catalog with layout previews, downloadable specs, and real-time project estimators for material planning.
- **Tech Stack:** Vite, React + TypeScript, Tailwind CSS, Tailwind Material, ShadCN UI, JWT Auth, RBAC, i18n, Multi-Tenant Architecture, Multi-Currency Support, REST APIs.

### Windows Measurements App

- Developed a mobile application that captures and stores window measurements using **Bosch Bluetooth-enabled measurement devices**.
- Integrated seamless **Bluetooth connectivity** to retrieve real-time measurement data from Bosch devices.
- Implemented local data storage using **SQLite**, allowing users to save and access measurements for future reference, even offline.
- Built using **React Native CLI**, ensuring high performance and cross-platform compatibility for both Android and iOS.
- **Tech Stack:** React Native CLI, SQLite, JavaScript, Bluetooth Low Energy (BLE), Android & iOS development.

## Skills

- |                  |                        |
|------------------|------------------------|
| • HTML 5         | • Vite                 |
| • CSS 3          | • Node                 |
| • Tailwind CSS   | • Mongo DB             |
| • Javascript ES6 | • React Material UI    |
| • Bootstrap 5    | • Tailwind Material UI |
| • React          | • SQL                  |
| • React native   |                        |

## Certification

### web development and Angular

- Certification in web development and Angular course at "**Soft Logic Academy - Chennai**". Feb 2022 - Aug 2022