

# Victor Chandrasekar

Software Developer | victorroshan4@gmail.com | +91 9384451488

## PROJECTS

### REAL-TIME CHAT APPLICATION WITH WEBSOCKETS | FULL-STACK DEV

Mar 2025 – Present | Chennai

- Developed a full-stack real-time chat application with instant messaging using **WebSockets** and secured **RESTful API**, handling authentication with **JWT**.
- Built a responsive and modern UI with **React.js**, **Tailwind CSS**, and **DaisyUI** for an optimized user experience with a scalable backend with **Node.js**, **Express**, and **MongoDB**, ensuring performance and security.
- Integrated **Socket.io** for real-time, event-driven communication between users.

### AI-POWERED PREDICTION OF HYPERTROPHIC CARDIOMYOPATHY | FRONTEND DEV

Jan 2024 – May 2024 | SRM Easwari, Chennai

- Built the frontend with **React.js**, offering an interactive and user-friendly interface for users to input patient data and view predictions.
- Stored patient data and model results in **MongoDB** to ensure scalability and persistence.

### IOT BASED HEART RATE AND TEMPERATURE MONITORING SYSTEM | ARDUINO

Aug 2023 – Oct 2023 | SRM Easwari, Chennai

- Developed an **IoT-driven health monitoring system** to track real-time heart rate and body temperature.
- Integrated **Arduino** with heart rate and temperature sensors, transmitting data via **MQTT** for real-time updates.

## COURSES & CERTIFICATIONS

### THE COMPLETE FULL-STACK WEB DEVELOPMENT BOOTCAMP | UDEMY

Feb 2025 – Mar 2025 | Instructor: Dr. Angela Yu

- Covered **HTML**, **CSS**, **Bootstrap**, **JavaScript**, **Node.js**, **Express.js**, **React.js**, **PostgreSQL**, and more.
- Gained hands-on experience in **full-stack development**, **RESTful APIs**, and database management.

### JAVASCRIPT ALGORITHMS AND DATA STRUCTURES MASTERCLASS | UDEMY

Mar 2025 – Apr 2025 | Instructor: Colt Steele

- Completed an in-depth course covering core algorithms and data structures in **JavaScript** with a focus on problem-solving and writing efficient code.

### AUTOMATION IN MANUFACTURING | NPTEL

Jul 2022 – Oct 2022 | SRM Easwari, Chennai

- Learned the fundamentals of **industrial automation** and its role in modern manufacturing.
- Gained insights into smart manufacturing and **IoT applications** in the industry.

## EDUCATION

### SRM EEC

BACHELOR OF ENGINEERING IN BIOMEDICAL

Oct 2020 - April 2024 | Chennai, India  
Cum. GPA: 9.17 / 10.0

### NAZARETH

MATRICULATION HIGHER

SECONDARY SCHOOL | HSC

April 2019 - Mar 2020 | Chennai, India  
Percentage: 85%

### NAZARETH

MATRICULATION HIGHER

SECONDARY SCHOOL | SSLC

April 2017 - Mar 2018 | Chennai, India  
Percentage: 92%

## TECHNICAL SKILLS

### PROGRAMMING

• JavaScript • Python

### WEB DEVELOPMENT

Languages: • HTML • CSS • JavaScript

Frontend: • React.js • Tailwind-CSS

Backend: • Node.js • Express.js •

Socket.io

Databases: • MongoDB • PostgreSQL

### SOFTWARE & TOOLS

• VS Code • Git/Github • Postman • npm

## ROLES &

## RESPONSIBILITIES

In UG degree

### OPERATIONS HEAD

Google Developer Students Club

SRM Easwari | 2023 - 2024

### PRESIDENT

BioMedEclat - Students Society Club

SRM Easwari | 2021 - 2023

### VICE-PRESIDENT

NSS Unit

SRM Easwari | 2022 - 2023

## LINKS

Github:// [Victor/Github](#)

LinkedIn:// [Victor/linkedin](#)

Coding:// [Victor/Leetcode](#)