

# RUFUS SAM JOHN IMMANVEL J

Chennai, Tamil Nadu

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🍷 [rufus123sam - Codechef](#) 🍷 [Rufus\\_Sam - Codeforces](#)

## EDUCATION

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### Vellore Institute of Technology

*B.Tech Electronics and Computer Engineering - CGPA - 9.28*

**JUN 2019 – MAY 2023**

*Chennai, India*

### Velammal Matriculation Higher Secondary School

*State Board of Tamil Nadu - Percentage - 91.6%*

**JUN 2017 – MAY 2019**

*Chennai, India*

## COURSEWORK / SKILLS

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|--------------------------------|--------------------------------------|-------------------------------------|-----------------------------------|
| • Data Structures & Algorithms | • Operating Systems                  | • Computer Networks                 | • Discrete Maths and Graph Theory |
| • OOPS Concept                 | • Principles of Software Engineering | • Database Management System (DBMS) |                                   |

## PROJECTS

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### Color Game [↗](#) | [HTML](#), [CSS](#), [JavaScript](#)

- This is a fun color guessing game. In this project, an RGB value set is given. From the given value set the user should guess the color from the presented collection of colors.
- [Click here to play now](#)

### Pressure Cooker Automation [↗](#) | [Arduino UNO](#), [C++](#)

- This project helps our day to day life by switching off the pressure cooker after a certain number of whistles.
- It also has a safety mechanism where it detects gas leakage and turns off the stove.
- We can also set a timer on the number of minutes to wait before turning off the stove.
- [See Demo Here.](#)

### Meet Strangers App [↗](#) | [WebRTC](#), [SocketIO](#), [NodeJS](#), [ExpressJS](#)

- **Similar to Google meet** but for one-one.
- **Difficulty faced:** Needed to **integrate TURN servers** to overcome the NAT/faulty router problems that hides our ip address from the STUN server.
- [Open the Web App here.](#)

## TECHNICAL SKILLS

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**Languages:** C/C++, SQL

**Technologies/Frameworks:** Git, GitHub, NodeJS, ExpressJS

**Developer Tools:** VS Code

## CERTIFICATIONS

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- **AWS Certified Cloud Practitioner - Amazon**
- **Advanced Cpp - IIT Bombay**