

# Rohan Verma

Frontend Developer



rohan-v8rma



Rohan's Blog



Rohan Verma



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## EXPERIENCE

**Tech4 Engineering Solutions Pvt. Ltd.** | FREELANCE

Jan 2023 – May 2023 | Delhi

**International Society of Automation (ISA)** | CORE TECHNICAL MEMBER

March 2022 – Current | Vellore, Tamil Nadu

## PROJECTS

**Tech4 Corporate Website** | REACT, FIREBASE

Jan 2023 – May 2023

- Conceptualizing and developing a customer-facing corporate website.
- Implemented efficient import and export organization according to best engineering practices.
- Mastered the management of state and props in complex React applications.
- Set up re-direction for unknown paths.
- Added click signifiers to elements in an effort to reduce click-misses, keeping in mind relevant UX principles.
- Used ARIA roles to make custom form components more accessible.
- Utilized Firebase Cloud Firestore to store form data.

**Spark 2023 Landing Page** | REACT

Nov 2022 - Jan 2023

- Developed 60% of the website for ISA's premier event. (The complete website is not yet hosted, but the components made by me are hosted using **GitHub pages**.).
- Used modular CSS to deal with problems of specificity.
- Standardized fonts, colors, and dimensions through CSS variables.
- Enhanced understanding of component design patterns and React concepts.
- Implemented a unique timeline that scrolls horizontally upon scrolling vertically through the page.

**Crow DB** | C++, CROW FRAMEWORK, BASH

Oct 2022 - Nov 2022

- A basic CRUD API built using the C++ CROW framework, that allows maintaining multiple databases.
- Implemented using Hash Tables and AVL Tree data structures.
- Used the CPP Crow Framework to make the application asynchronous and set-up API routes.

**Color Palette Generator** | HTML, CSS, VANILLA JS

Aug 2022 - Sept 2022

- A tool that generates a set of random colors which can help provide inspiration to illustrators, designers and artists.
- Fully responsive on desktop and mobile devices; hosted using **GitHub pages**.
- Integrated a color API for selection of aesthetically pleasing color combinations.

**VM Setup Master Script** | BASH

Apr 2022 - May 2022

- An automated solution for fast setup of a newly created Linux virtual machine, running a flavor of Debian; like Ubuntu.
- The project repository on GitHub also contains a basic guide on Bash Scripting.

## SELF LEARNING GITHUB REPOSITORIES AND READMEs

**ThreeJS-Tesselations** (Created March 2023)

**Webpack & Babel Testing** (Created Feb 2023)

**React-Ref** (Created Nov 2022)

**Data-Structures-and-Algorithms** (Created Aug 2022)

**Tech-Tips** (Created July 2022)

**Java-Juggernaut** (Created July 2022)

**CPP-Craftsmanship** (Created Feb 2022)

**HTML-Handbook-and-CSS-Canvas** (Created Jan 2022)

**JavaScript-JumpStart** (Created Jan 2022)

## SKILLS

### Programming

Proficient:

C++ • C • HTML • CSS • JavaScript • Markdown

Experienced:

Bash • Java • SQL • Verilog HDL

Familiar:

L<sup>A</sup>T<sub>E</sub>X • Python • MATLAB

### Libraries/Frameworks

ReactJS • NextJS • Tailwind CSS • CROW • ThreeJS

### Tools/Platforms

Git • NPM • Firebase • Webpack • Babel • Postman

## EDUCATION

### Vellore Institute of Technology (VIT)

B.TECH (COMPUTER SCIENCE)

Sept 2021 - Present | Vellore, Tamil Nadu

School of Computer Science and Engineering (SCOPE)

Cum. GPA: 9.70 / 10.0

### DPS Sushant Lok

PCM AND COMPUTER SCIENCE

Sept 2006 - July 2021 | Gurgaon, Haryana

AISSCE 2021 : 95.8%