

# Rohan Verma

Front-End Developer



rohan-v8rma



Rohan's Blog



Rohan Verma




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## EXPERIENCE

 **Tech4 Engineering Solutions Pvt. Ltd.** | FRONT-END WEB DEVELOPER  
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


- Conceptualized and developed 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.
- 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 the website for ISA's flagship technical event cum hackathon. (The complete website is not yet hosted, but the portions 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.


## ACTIVE GITHUB REPOSITORIES


 **ThreeJS-Tesselations**  
Exploring ThreeJS through a collection of experiments for enhanced understanding of the 3D framework.


 **React-Ref**  
A dynamic repository capturing key insights and notes about React for easy reference.

 **JavaScript-JumpStart**  
Providing foundational as well as deep insights into JavaScript for beginners.

 **Data-Structures-and-Algorithms**  
Implementing essential data structures and algorithms for in-depth learning.

 **Tech-Tips**  
Compact snippets covering crucial computer science topics like OS and DBMS for quick insights.

 **Java-Juggernaut**  
Packed with Java code samples, suitable for both novices and experienced developers.

 **CPP-Craftsmanship**  
A detailed reference for vital C/C++ concepts, delving into language intricacies.

## SKILLS

### Programming

Proficient:  
C++ • C • HTML • CSS • JavaScript • Java • Markdown

Experienced:  
Bash • 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: 9.72 / 10.0  
9th rank in a class of approx. 2700

### DPS Sushant Lok

PCM AND COMPUTER SCIENCE  
Sept 2006 - July 2021 | Gurgaon, Haryana  
AISSEE 2021 : 95.8%