

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

- 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.
- 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.

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^AT_EX • 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%