

Charanjit Chaunkaria, EIT

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Education

Frontend Developer Bootcamp, Frontend Simplified

January 2022 - April 2022

McMaster University, Bachelor of Technology. Automation Engineering, Business Management Certificate

2021

Experience

Full Stack Developer – CC Solutions

August 2022 – Present

- Developed and launched a user-friendly booking platform for clients, resulting in a 40% increase in bookings
- Created and implemented a SEO strategy, resulting in a 50% increase in organic traffic and a 30% increase in website conversions
- Identified and debugged complex software issues, resulting in a 20% decrease in customer-reported bugs
- Spearheaded the creation of a dynamic websites for businesses to deliver an exceptional user experience
- Collaborated with cross-functional teams to design and build robust back-end systems ensuring high performance

Frontend Developer Internship – Frontend Simplified

Aril 2022 – July 2022

- Transformed a completely static **HTML, CSS, JavaScript** and **React** single page application into an interactive user interface using animation, transitions, and carousels
- Processed API requests with **Axios** to dynamically represent data from a could server and represented it through skeleton loading states, pagination and dynamic routing
- Utilized Git version control and the GitHub interface to thrive in a virtual and collaborative team environment

Electrical/System Engineer – Control System Innovators

August 2021 – December 2021

- Developed a human machine interface (HMI) controlled, multi-motor program using **TIA portal**
- Created and implemented custom programming solutions for PLC, HMI, Robotics, Motion Control, and CNC systems, in accordance with client specifications
- Designed electrical drawings for various industry applications utilizing EPLAN Electric P8
- Provided on-site support to clients, including set up, maintenance, updates, service, and troubleshoot process

McMaster Engineering Co-op Ambassador – McMaster University

September 2020 – April 2021

- Professionally represented Engineering Co-op Career Services, and McMaster University to key stakeholders
- Promoted services provided by the ECCS that positively equip colleagues for their co-op endeavours

Automation Designer Imaging – ATS Automation

January 2019 – August 2019

- Supervised the Echelon project, overseeing integration, PREFAT, FAT stages and delivering the multimillion-dollar project under budget and ahead of schedule
- Designed and prototyped image acquisition setups that included lighting, optics, cameras, frame-grabbers, and robotics
- Developed image processing algorithms using **C++** and **C#** for diverse life science applications
- Conducted Gage R&R analysis to determine the feasibility of machine vision module capabilities

Projects

Netflix Clone | [Website](#) | [GitHub](#) | **TypeScript** | **Next.JS** | **Tailwind CSS** | **Stripe** | **Authentication** | **Vercel** | **Firebase**

- Developed a Netflix clone with functionalities including subscription plans, payment processing, and integrated movie trailers
- Optimized performance of shared state component via **Redux** resulting in a 20% decrease in page load times
- Integrated a seamless payment solution utilizing **Stripe**, resulting in 50% reduction in payment processing time

Twitter Clone | [Website](#) | [GitHub](#) | **Next.JS** | **Tailwind CSS** | **Redux** | **Vercel** | **Firebase**

- Created a Twitter clone application with essential features such as tweet, comment, like, and delete functionality
- Implemented **Redux** for managing the global application state, ensuring efficient data flow and state updates
- Employed **server-side** rendering to improve initial page load times and enhance the user experience

Google Clone | [Website](#) | [GitHub](#) | **React.JS** | **React Router** | **Firebase**

- Developed a Google clone, showcasing proficiency in front-end development, search functionality and responsive design
- Fetched data from Google's custom search **API** to create a real-world search engine for user inquiries
- Applied real-time search functionality using **React Hooks**

Gmail Clone | [Website](#) | [GitHub](#) | **React.JS** | **Redux** | **Firebase** | **Google Auth**

- Employed **Firebase Auth** to establish secure user authentication for seamless and reliable Google Sign-In
- Leveraged Firebase's Realtime Database for streamlined email data storage and retrieval

Ilera Human Health Monitoring & Diagnostic System | [GitHub](#) | **JavaScript** | **HTML** | **CSS** | **Android Studio**

- Developed a **machine learning application** to deliver personalized health diagnostics to users
- Designed **UX/UI model** with a user-centered approach to improve usability

Technical Skills

Languages: HTML5 | CSS3 (+ SCSS, BEM) | JavaScript ES6+ | Typescript | C++ | C# | Python | PLC | SQL | php | MATLAB

Frameworks: React (+ hooks) | Next.js | Node.js | Material-UI | Redux | Tailwind CSS | Vercel | Stripe | WordPress

Technology: NPM | Git | Yarn | React dev tools | Firebase v9 | GitHub

Extracurricular Activities

Google Student Developers Club (DSC)

September 2020 – April 2021

- Mentored and guided new members, fostering a supportive learning environment in software development
- Led a team to develop innovative solutions for real-world challenges through hackathons and coding competitions

MacChangers

Sept 2019 – April 2020

- Led a research team to establish project scope, reference material, timeline, data acquisition, and budget
- Designed and developed an automated system that bridges the communication gap between the HSR and users