

Navleen Kaur Brar

Front-End Web Developer + Designer

Portfolio Website: <https://www.navleenbrar.com/>

 <https://github.com/brar-navleen/My-Portfolio-Projects>  <https://www.linkedin.com/in/navleen-brar-5153b725b/>

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SKILLS

- **Web Frameworks and Design Tools:** React, Tailwind CSS, Responsive Web Design, Figma
- **Coding Languages and Database:** JavaScript, HTML, CSS, Dexie.js
- **Version Control:** Git, GitHub
- **Web API's:** REST API, Local Storage API, Geolocation API
- **Code Editor and Static Analysis Tools:** VS Code, ESLint
- **Build and Deployment Tools:** Vite, Vercel
- **Other:** Class 5 driver's License




EDUCATION

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| Carleton University, Ottawa, Canada | Sep, 2018 - Jan, 2020 |
| Master of Engineering in Electrical (Minor) and Computer (Major) Engineering | |
| Giani Zail Singh College Campus of Engineering and Technology, India | July, 2013 - May, 2017 |
| Bachelor of Technology in Electronics and Communication Engineering | |

WORK EXPERIENCE

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| Concentrix | May, 2021 - Dec, 2021 |
| WAH Advisor 1, Canada | |
| Concentrix is an IT service management company specializing in design, marketing, business processes, and customer management solutions | |
| <ul style="list-style-type: none">• Handled 40+ customer interactions per day, with duties including verifying client's data, presenting relevant product information, cancelling services and record keeping• Provided basic technical support and composed professional emails for customers, departments and vendors to address customer issues quickly• Worked on floor support assisting new agents with customer service script recitation, conflict resolution and data entry practices• Received monthly bonus and was recognized by management as an important team member due to highest number of call handling with more than 90% client satisfaction, average handling time and attendance. | |

PERSONAL PROJECTS

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| FIGHTING GAME  https://www.navleenbrar.com/FightingGame | Dec, 2022 |
| <ul style="list-style-type: none">• 2 player combat game developed using React and TailwindCSS• The game is constructed using react functional components, hooks and the complex game logic is implemented using multiple conditional statements• <code>Math.random</code> function was used to generate random hits and lifelines in the game• To play audio during specific events in the game, the play method is called on an <code>Audio</code> object stored in a state variable | |
| CARD MATCH GAME  https://www.navleenbrar.com/CardMatchGame | Dec, 2022 |
| <ul style="list-style-type: none">• Dynamic single player game where the user has to reveal all of the matching pairs of playing cards on the board• The complex logic of the game is developed using JSX, react hooks, functional component and conditional rendering concepts• The styling and design is implemented using TailwindCSS• The data for each card is stored in an array of objects, and it is shuffled randomly for each game | |
| E-COMMERCE SHOPPING WEBSITE  https://ecommerce.navleenbrar.com/ | Nov, 2022 - Dec, 2022 |
| <ul style="list-style-type: none">• Designed complex UI in Figma (view design) and developed the app using React, React Router and Tailwind CSS• Used <code>Dexie.js</code>, an in-browser database, for storing User information, Login Session, Bag Items, Order details and Reviews• Implemented react routes and functional components using hooks for signing up, logging in and managing all other aspects of the e-commerce app.• Achieved user authentication by implementing <code>bcryptjs</code> password hashing to protect user data | |

- The website logic is built using arrays, objects and various predefined methods, `date-fns`, conditional rendering, template-literals and react hooks
- Added responsive design to website to give it a professional appearance on smaller screens

PORTFOLIO <https://www.navleenbrar.com/>

Sept,2022 - Oct, 2022

- React based website designed and developed to showcase my potential as a web developer and designer
- Lists all of my personal web development projects, all of which are deployed using Vercel, with links to the project web pages and source code
- React Router is used for organizing all of my projects and navigating between them seamlessly
- The UI is designed by me from scratch and all of the digital art is self-created using an open source digital painting software named Krita

WEATHER FORECAST <https://www.navleenbrar.com/WeatherApp>

Sept,2022

- Responsive and interactive react website created for users to track current and 7-day weather forecast
- Used geolocation API to get user location and then fetch data from a weather forecast REST API (<https://open-meteo.com/en>) for that location
- Used advanced concepts such as conditional rendering, string literals and built-in array methods namely filter, map for data storage and rendering
- Used `date-fns` library for date manipulation, google fonts, material icons and Tailwind CSS for styling the web page

DICTIONARY <https://www.navleenbrar.com/Dictionary>

Sept,2022

- Utilizes the Free Dictionary REST API (<https://dictionaryapi.dev/>) to display the acoustics, meanings, antonyms and synonyms of the word entered by the user in the input field
- It is an interactive and dynamic web application that uses react props to transfer data dynamically from parent component to the child component
- Used `useState` hook to track state variables and `useEffect` hook to execute side-effects upon user interaction
- The app is developed using react.js functional components, built-in JS object methods, Tailwind CSS and responsive design

LCD CLOCK <https://www.navleenbrar.com/LCDClock>

Aug,2022 - Sept,2022

ANALOG SVG CLOCK <https://www.navleenbrar.com/AnalogSVGClock>

- The LCD segments are designed from scratch using CSS and CSS animations
- The analog clock is implemented using SVG (Scalable Vector Graphics) and complex formulas for calculating the position of the hour, minutes and second hands
- The responsive design of the websites is achieved using media queries
- Used `Date` object, `setInterval` and `clearInterval` methods inside a `useEffect` react hook to update the clocks every second

GUESS THE WORD GAME <https://www.navleenbrar.com/HangmanGame>

Aug,2022 - Sept,2022

- The dynamic react based game UI allows users to guess the hidden word within 16 attempts
- The random hidden words are fetched from an external API (<https://puzzle.mead.io/puzzle?wordCount=1>) using react hooks
- A global `addEventListener` method is used to allow the user to interact with the game using their keyboard

TEACHING EXPERIENCE

Teaching Assistant, Carleton University, Ottawa, Canada

Sep, 2019 - Dec,2019

Worked as a TA under professor Donald Bailey for Fundamentals of Engineering I and under professor Mostafa Taha for Computer System Design during my masters program.

IELTS Trainer, Brills Institute, India

Aug, 2017 - June, 2018

Worked as an IELTS Trainer conducting modules, vocabulary sessions, professional mock interviews and group discussions for students.

ACTIVITIES AND INTERESTS

- Developing and designing web applications with dynamic and interactive UI.
- Travelling and exploring new places
- Constantly improving and learning new tools and technologies from online resources.
- Sketching and digital art