

Navraj Singh Bal

navrajbal.netlify.app

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TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, HTML/CSS, C++, C#, C

Technologies: Git, React, Redux, Node.js, Express, Heroku, MongoDB, MySQL, Tailwind, Sass

EXPERIENCE

Website Developer

August 2020 – June 2022

SVP Teens - Volunteer

Waterloo, Ontario

- Collaborated with a team of designers to create a **Figma** mock-up highlighting the organizations initiatives and promoting ongoing events
- Developed a responsive website using **HTML/CSS**, **JavaScript**, and **Bootstrap**, ensuring optimal functionality and visual appeal across all devices
- Used **Canadahelps.org RESTful API** for processing donations and **Powr.io** for online sales which resulted in over **\$1000** raised through the sales of a digital cookbook and event tickets
- Utilized **GitHub** as a tool to effectively manage and update the site, facilitating collaboration and organization of tasks amongst a team of developers
- Organized events and fundraisers with **100+ attendees** resulting in **\$6,500+** in donations

Media Manager and Website Designer

Oct 2020 – March 2022

Mitra Biotechnologies - Volunteer

Waterloo, Ontario

- Designed **pitch decks** used in raising **\$10,000+** in funding
- Increased followers by **70%** through creating content promoting recent initiatives
- Collaborated with a team of UI/UX designers in creating **Figma mockups** for the website and programmed **React components** for the landing page

PROJECTS

Courseify | *JavaScript, Node.JS, Express, SerpWow API, Heroku, HTML, CSS*

- Developed a web app that generates customized crash courses based off an inputted topic
- Implemented the **SerpWow API** to fetch and display interactive video tutorials, quiz questions and image data to enhance user engagement
- Programmed user interface using **HTML**, **CSS**, **JavaScript**, and **Bootstrap** components
- Backend logic & **RESTful API** was made using **Node.JS** and **Express**

Habit Tracker | *Node.js, Express, MongoDB, Bootstrap, HTML, CSS*

- Developed a multi-page website allowing users to record habits, generating a progress log
- Utilized Bootstrap for creating a responsive front-end and implemented the backed using **Node.js** and **Express**, and **MongoDB** for data-persistence

Theia – Ocular Disease Detector | *TensorFlow, Flask, Heroku, HTML, CSS*

- Developed a web application that aided optometrists in diagnosing ocular diseases trained on **8,000+ images** of fundus photographs
- Designed the back end using **Flask**, and used **HTML**, **CSS**, and **JavaScript** for the front end
- Programmed a **TensorFlow** model and integrated it with the web application
- Won **1st place** at the Believe Leadership Conference, along with a **\$2,000 grant** and a highly coveted **RBC mentorship** opportunity

EDUCATION

University of Waterloo

Sept 2022 – May 2027

Bachelor of Computer Science, Honours & Co-op

Related Courses: Tools and Techniques for Software Development, Designing Functional Programs

Wilfrid Laurier University

Sept 2022 – May 2027

Bachelors Business Administration (BBA)