



Zayn Chowdhury

Year 3, Computer Science Student

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Technical Skills

Programming	Python, Java, C++, Racket, R, SQL, OOP, Swing
Web	HTML5, CSS3, JavaScript, ReactJS, NextJS, NodeJS, ExpressJS
Tools & Platforms	WordPress, Sanity, Vercel, Heroku, GitHub, Netlify, Git, Microsoft Office
Testing	JUnit, Jest, Selenium, GDB

Featured Personal Projects

Sanity E-commerce Web App ([Link](#))

May 2022

Next.js, Sanity.io, Vercel, GitHub

- Developed a full-stack e-commerce app using Next.js for frontend and backend along with Sanity for easy, user-friendly content management
- Used Server-Side Rendering to deliver static pages from the server to immensely reduce loading times for dynamic content
- Furthermore, Incremental Server-Side Regeneration was used to update static pages stored in server after predefined periods for the ease of updatability and scalability

Spotify Analytics App ([Link](#))

March 2022

Node.js, Express.js, React.js, Spotify API, Heroku, GitHub

- Developed a full-stack web app to visualize personalized Spotify data with the help of Node.js, React, Styled Components, and the Spotify Web API
- Developed a modern responsive UI with react, react hooks, and styled components and an algorithm to filter songs based on characteristics like danceability and tempo
- Implemented the Spotify OAuth flow with JavaScript and modern ES6 async-await methods utilising the principles of RESTful APIs to authorize the app with Spotify.
- Built a Node server with Express.js to handle HTTP and authentication requests
- Used the local browser storage to store authentication and automatic refresh tokens through which users have to authorize the app only once, thereby increasing app efficiency and UX significantly
- Deployed the app with a React front-end and Node.js back-end to Heroku

Commerce Cart ([Link](#))

April 2021

Java, Swing, GitHub

- Developed an e-commerce app with admin panel to view store analytics and manage store using Object-Oriented Programming for UI and logic
- Used java swing along with custom UI classes for an aesthetic and user-friendly GUI
- Integrated a singleton structure to create and pass a single instance of the main class to all other classes, which helps in retaining the shop data for a complete session without multiple data fetch calls making the app more robust and improving its integrity



Work Experience

Full Stack Designer & Developer

Mineral Deposit Research Unit, UBC

August 2022 - Present

Vancouver, BC

- Worked in UX research and wireframed the new version of the MDRU official website
- Redesigning the website with updated branding and developing the back end and front-end using Next.js
- Integrating a user-friendly Sanity.io CMS for easy manageability of dynamic content

Associate Level I

Amazon Fulfillment Center

October 2021 - Present

Richmond, BC

- Worked in a team ranging from 5 to 12 co-workers and followed a systematic workflow to update current inventory and send products to other warehouses

Co-Founder and Web Developer

Deep Blue Creatives

September 2020 - Present

Dhaka, Bangladesh

- Led and assisted a team of four designers and developers to create efficient, effective, and visually aesthetic websites complying with industry standards
- Developed websites for multiple niches and industries using HTML, CSS, JavaScript, WordPress, and third-party plugins for additional project functionality requirements
- Coached junior developers on design conventions and website analytics
- Implemented custom FOMO programs with JavaScript which increased customer conversion rate by 30% and boosted up sales significantly
- Provided training to clients for website maintenance and blog update which increased client satisfaction by 17% and user experience by 41% subsequently
- Completed projects: <https://munshicorp.com>, <https://subsoutlet.com>, <https://issmt.net>, <https://deepbluecreatives.com>, <https://journeyadviser.com.bd>

Data Analyst Intern

Hapag-Lloyd (GBX Logistics)

June 2018 - August 2018

Dhaka, Bangladesh

- Worked under supervision in the data analytic team to interpret data, create statistical diagrams, and find strategic trends from service analytics

Education

University of British Columbia**September 2020 - May 2025****Bachelor of Science – Computer Science**

- **Cumulative GPA:** 82.0%
- **Relevant Courses:** Software Construction, Algorithms and Data Structures, Programs and Programming, Models of Computation