

Chowdhury Zayn Ud-Din Shams

Computer Science Student

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Technical Skills

Programming	JavaScript, HTML5, CSS3, Python, Java, C++, Racket, R, SQL, OOP
Frameworks & Libraries	NextJS, ReactJS, NodeJS, ExpressJS, Swing, Styled Components
Tools & Platforms	WordPress, Sanity, Vercel, Heroku, GitHub, Netlify, Microsoft Office

Education

University of British Columbia

September 2020 – May 2025

Bachelor of Science – Computer Science

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

Featured Personal Projects

Sanity E-commerce Web App

May 2022

- Developed a full-stack e-commerce app using NextJs 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

March 2022

- 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.
- Learned the principles of RESTful APIs and how they relate to the Spotify API and implemented it with modern ES6 async-await methods
- implemented the Spotify OAuth flow with JavaScript
- Authorized the app with Spotify, and then build a Node server with the Express framework to handle HTTP and authentication requests

- Made use of local browser storage to store auth tokens and automatic refresh token algorithm by which users have to authorize the app once, subsequently increasing app efficiency and user experience significantly.
- Deploy the app with a React front-end and Node.js back-end to Heroku
- A simpler user-friendly and easy to understand alternative of Spotify wrapped

Commerce Cart

April 2021

- 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 library along with custom UI classes for an aesthetic and user-friendly GUI.
- Integrated a singleton structure so that only one instance of the main shop is available to all other classes which helps in retaining the shop data for that particular session without fetching data multiple times making the application more robust and improving its integrity.

Relevant Work Experience

Co-Founder and Web Developer

Deep Blue Creatives

September 2020–Present

Dhaka, Bangladesh

- Led and assisted a team of 4 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.
- Expert in WordPress dashboard, third-party plugins such as Elementor, RankMath, and hosting components such as cPanel.
- Coached junior developers on design conventions and website analytics.
- Researched different design concepts and practices for optimum customer conversion and satisfaction for various industries.
- Consistently receive high user experience scores for all web development projects
- Proposed email marketing solutions for cart abandonment increasing returning visitors by 74%
- Implemented custom FOMO applications and 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://deepbluedigital.com> , <https://issmt.net> , <https://subsoutlet.com> , <https://munshicorp.com>, <https://journeyadviser.com.bd> , <https://osmosis.deepbluetutorials.com> , <https://deepbluetutorials.com>

Additional Experience

IT intern

Protibha Life Consultancy

June 2019–July 2019

Dhaka, Bangladesh

- . Assisted in building wireframes and mock designs of the landing web page

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.