CHOWDHURY ZABER BIN ZAHID

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CAREER OBJECTIVE

As a dedicated front-end developer passionate about crafting seamless user experiences, my objective is to leverage my expertise in React to architect and build innovative and responsive web applications. With a deep understanding of React's core principles and extensive hands-on experience in leveraging its ecosystem, I aim to contribute to dynamic teams by creating efficient, scalable, and visually compelling interfaces. My goal is to apply my proficiency in React components, state management (such as Redux or Context API), and modern JavaScript methodologies (ES6/ES7) to develop cutting-edge solutions that exceed user expectations and drive meaningful engagement.

ACADEMIC CREDENTIALS

Bachelor of Science in Computer Science and Engineering *(January, 2020 – Present)*
Brac University
Grade: 3.56 / 4.00

Higher Secondary Certificate (HSC) *(January, 2017 – December, 2018)*
Sylhet Government College, Sylhet
Grade: 4.25 / 5.00

Secondary School Certificate (SSC) *(January, 2012 – December, 2016)*
Bangladesh Bank School, Sylhet
Grade: 5.00 / 5.00

TECHNICAL SKILLS

Programming Languages	: C, Python, JavaScript, Php, Git
Web Development	: Html, CSS, SASS/SCSS, React Js, Node Js
Frameworks	: Tailwind CSS, Bootstrap, Express Js, Flask
Databases	: MongoDB, Mysql
Software Development Life Cycle	: Agile, DevOps, Waterfall, V-Model, Iterative, Incremental, Spiral
Development Tools	: VSCode, PyCharm, Google Colab, Jupyter Notebook, Postman
Information Retrieval and Research	: Google, ChatGPT, Stack Overflow, GeeksforGeeks, etc
Operating System	: Windows
Others	: Video Editing, Computer Graphics, Microsoft Word, Microsoft Excel, Microsoft PowerPoint

PROJECTS

Jail Management (Full-Stack Development**)** Github Repo

- **Description:** This project encompasses an intricately designed Jail Management System, engineered to streamline the operations within correctional facilities. With a focus on efficiency and security, the system provides distinct user roles: Staff, Deputy Warden, and Warden, each equipped with tailored functionalities.
- **Features:**
    1. **Authentication System:** A robust authentication mechanism ensures secure access, allowing different levels of permissions based on roles, and safeguarding sensitive information.
    2. **Automated Prisoner Cell Assignment:** An intelligent algorithm autonomously assigns vacant cells to incoming prisoners, optimizing facility space and resources effectively.
    3. **Dynamic Staff Scheduling:** Deputized wardens and wardens possess the authority to modify staff schedules, ensuring operational continuity. Staff members conveniently view their schedules and can request changes through a user-friendly interface.
    4. **Workflow for Schedule Change Requests:** Staff members initiate schedule change requests through intuitive forms. Wardens seamlessly review and manage these requests, approving or declining changes based on operational needs.
    5. **Warden's Oversight:** The Warden enjoys comprehensive control, able to update, add, delete, or modify staff and prisoner information, empowering effective management of the correctional facility.
- **Language and Framework used:** Flask · MySQL · JavaScript · Python (Programming Language) · HTML · Cascading Style Sheets (CSS)

Blood Donation and Finding System (Full-Stack Development) Github Repo

- **Description:** This project is a comprehensive Blood Donation Network designed to facilitate seamless communication and aid in critical situations where blood is urgently required. It boasts a range of essential features for both administrators and users.
- **Features:**
    1. **Admin & User Acess:** Admin Holds oversight over the platform, monitoring user activities, and managing user privileges. Registered users access various functionalities like the chat system, emergency blood posting, and profile status management.
    2. **Chat System:** Allows users to interact, aiding in the retrieval of blood-related information swiftly and efficiently.
    3. **Emergency Blood Posts:** Users can post urgent blood requirements with detailed patient documentation and precise addresses for immediate assistance. They retain the capability to delete their posts as needed.
    4. **Advanced Filtering Options:** Provides an advanced search filter enabling users to locate specific blood groups and available or unavailable donors, streamlining the process of finding potential donors.
    5. **Donor Profile Management:** Donors can manage their profile status, indicating their current availability to donate blood.

6. **Admin Control & User Management:** Admins have the authority to observe user activities, including the ability to ban/unban users based on their conduct. Banned users are restricted from posting emergency blood requests.

- **Language and Framework used:** PHP · MySQL · HTML · Cascading Style Sheets (CSS)

Who Wants To Be A Millionaire (Frontend Development) Github Repo Live Project

- **Description:** My own version of 'Who Wants to Be a Millionaire'! Built entirely with React!
- **Features:**
    1. **Modular Components for a Dynamic Interface:** Leveraging React's component-based architecture, I structured the game with modular components for the question panel, lifelines, scoreboard, and other interactive elements. This approach allowed for easy management and updates to different sections of the game.
    2. **State Management for Dynamic Gameplay:** Utilizing React's state management, I orchestrated the game's logic, ensuring smooth transitions between questions, tracking scores, and managing lifeline availability. Each state change triggered specific actions, keeping the gameplay dynamic and engaging.
    3. **Lifeline as Interactive Features:** Implementing lifelines, such as '50:50', 'Phone a Friend,' or 'Ask the Audience,' added an element of strategy. React's ability to handle user interactions in real-time made these lifelines interactive and exciting, influencing the player's decision-making process.
    4. **Interactive Animations and Transitions:** Integrating React libraries or custom animations and transitions injected a sense of excitement into the gameplay. Visual effects during correct/incorrect answers or lifeline usage enhanced the overall user experience.
    5. **Dynamic Content Rendering and API Integration:** To ensure a diverse range of questions, I integrated APIs to fetch and display random questions dynamically. React's capability to handle asynchronous operations made this seamless, providing players with an extensive question bank.
    6. **Responsive Design for Accesibility:** Employing React's responsiveness, I ensured the game was accessible across various devices, allowing users to engage seamlessly on both desktop and mobile platforms.
    7. **Personal Touches for Enhanced Engagement:** To add a personalized touch, I incorporated sound effects that aligned with the 'Who Wants to Be a Millionaire' ambiance, fostering a deeper connection with the game.
- **Language and Framework used:** HTML · CSS · React Js

Smart Tech (Full-Stack Development) (Ongoing) Client Side Server Side

- **Description:** This project aims to replicate the success and features of Bangladesh's renowned Star Tech company by developing a high-performance web application using the MERN stack (MongoDB, Express.js, React, and Node.js). With a focus on delivering a seamless user experience, this project will offer similar functionalities and performance to Star Tech, providing users with a top-tier e-commerce platform for technology products and services.

- **Features:**
    1. **Advanced Authentication System:** A multifaceted authentication system, offering various login and registration options, providing users with tailored access and personalized information.
    2. **Product Search and Details:** Seamless search functionalities allowing users to explore products, view detailed information, read reviews, and make informed decisions. An intuitive interface enables easy addition to cart and order placement.
    3. **Payment Gateway Integration:** Integration of a secure payment gateway enabling users to make purchases confidently. Automated email responses confirm successful transactions, ensuring a transparent and reassuring buying process.
    4. **User Role-Based Access and UI:** Distinct interfaces and access levels for admin, registered users, and unregistered users. Each role boasts a tailored UI and varying levels of accessibility aligned with their specific needs.
    5. **User Profile Management:** User-centric features including profile updates, password changes, order and payment history tracking, wishlist creation, and product reviews. Empowering users to personalize their experience and provide feedback.
    6. **Admin Control and Monitoring:** Admin privileges encompass banning/unbanning users, managing products (addition, modification, deletion), and overseeing order and payment histories. Admins possess comprehensive insights into user activities.
    7. **Responsive Design for Accesibility:** A commitment to accessibility through responsive design, ensuring the platform's usability across various devices and screen sizes. Enabling a seamless and inclusive experience for all users.
- **Language and Framework used:** MongoDB · Express Js · React Js · Node Js · Tailwind CSS · Context API · RESTful APIs · Axios

REFERENCES

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I hereby declare that all the information stated above is authentic and complete.

Zaber

(Chowdhury Zaber Bin Zahid)