Soumik Mitra

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Objective

Passionate Computer Science major with a Business minor at the University of South Carolina Aiken, seeking a Front End Developer role. Dedicated to leveraging strong programming skills and creative mindset to contribute to cutting-edge web and software projects. Committed to continuous learning and making a meaningful impact through intuitive and impactful design of web applications and software solutions.

EXPERIENCE

Math Tutor   Aug 2023 - Dec 2023
University Of South Carolina Aiken, Aiken, SC
• Developed personalized learning plans for individual students, resulting in a measurable improvement in their understanding of mathematical concepts.
• Monitored and adjusted study strategies based on student progress, leading to an overall increase in academic performance within the tutoring sessions.
• Organized and conducted group workshops covering challenging math topics, contributing to
an enhanced collaborative learning environment among students.
• Demonstrated the effectiveness of these workshops through improved test scores and positive feedback from participants.
• Collaborated with university resources to identify at-risk students and provided targeted assistance, contributing to increased student retention rates.
• Played a role in supporting students through challenging courses, ultimately contributing to higher graduation rates among those who utilized tutoring services.
• Achieved a substantial percentage increase in student participation compared to the previous year, with nearly 800 students seeking assistance in solving math doubts and problems during the academic year 2023.
• Implemented strategies to promote an open and inviting atmosphere, resulting in a significant rise in student attendance at tutoring sessions.

EDUCATION

Bachelor of Science (B.S.) - Computer Science   Aug 2022 - May 2024 (Expected)
University of South Carolina, Aiken, SC

SKILLS

Intermediate in: JavaScript, CSS, HTML, ExpressJs, jQuery, Git, Github, Excel, SQL, MongoDB, NodeJs, Java, Android Studio, Android App Development, Android Developer
Basic in: Python, C++, C#, Linux

Projects

Discrete Math in Your Hands - Soloist   Aug 2023 - Present
University of South Carolina Aiken
Engaged in the development of an Android app project in collaboration with Professor Rao Li, focused on delivering a free and user-friendly resource for students studying discrete mathematics. Demonstrates dedication to creating accessible learning solutions and embracing technological innovation.

Age Calculator App - Soloist Jul 2023 - Jul 2023

frontendmentor.io

- Developed an intuitive and user-friendly interface for the age calculator app, ensuring a seamless user experience for individuals of varying technical backgrounds.
- Incorporated responsive design principles, making the app accessible and visually appealing across different devices, with a particular emphasis on mobile devices.
- Achieved precise age calculations by utilizing JavaScript date manipulation functions, ensuring accurate results for users regardless of the complexity of their birthdate.
- Conducted thorough testing to validate the accuracy of age calculations, providing users with dependable and trustworthy information about their age in years, months, and days.
- Actively explored and implemented modern web development techniques, such as flexbox and grid layouts, showcasing a commitment to staying updated with industry trends and improving technical skills.
- Documented and shared insights gained during the project, contributing to personal and professional growth as a frontend developer.

Stats Preview Card Component - Soloist Jul 2023 - Aug 2023

frontendmentor.io

- Accomplished a high level of responsiveness using flexbox, ensuring optimal viewing and interaction across a variety of devices, including desktops, tablets, and mobile phones.
- Utilized media queries to create a fluid and responsive layout, enhancing the user experience and accessibility.
- Implemented a well-structured and semantically meaningful HTML document, adhering to best practices for search engine optimization and accessibility.
- Utilized appropriate HTML tags for content, contributing to a clear and meaningful representation of information.
- Utilized version control tools (e.g., Git) to manage the project's codebase, facilitating collaboration and tracking changes.

Newsletter Signup - Soloist Jun 2023 - Sep 2023

The App Brewery

- Successfully developed a comprehensive newsletter signup form, integrating both frontend and backend technologies.
- Utilized HTML, CSS, and JavaScript for the frontend, and employed MongoDB, Express.js, and Node.js for backend operations.
- Implemented a user-friendly signup form with client-side validation to ensure the accuracy and completeness of user-provided information.
- Utilized Bootstrap for designing a visually appealing and responsive form layout, enhancing the overall user experience.
- Integrated MongoDB as the backend database, ensuring secure and reliable storage of user subscription information.
- Implemented robust data handling procedures to safeguard user data and maintain data integrity.
- Created a responsive design using Bootstrap along with HTML and CSS, ensuring optimal user experience across various devices.
- Adhered to accessibility standards, making the form accessible to users with different abilities.
- Implemented RESTful API endpoints using Express.js to handle form submissions and database interactions.
- Ensured efficient communication between the frontend, designed with Bootstrap, and the backend, facilitating seamless data transfer.