Sarbajit Paul
FULL STACK DEVELOPER

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Skills

C
Proficient in implementing data structures like arrays, linked lists, and trees. Skilled in pointers, memory management, recursion, and algorithm design focused on performance and efficiency.

JAVA
Proficient in applying OOP principles—encapsulation, inheritance, polymorphism, and abstraction—to design modular, maintainable, and scalable applications. Skilled in creating classes, interfaces, and abstract classes to build flexible architecture.

PYTHON
Experienced in Python for scalable ML applications, proficient in Streamlit, data preprocessing, feature engineering, and model evaluation. Knowledgeable in deep learning, NLP, and data visualization with a focus on optimization and performance tuning.

PHP
Skilled in creating dynamic, secure web applications with PHP, integrating front-end and back-end, and managing MySQL databases. Proficient with PHP frameworks like Laravel, RESTful APIs, and focused on performance, debugging, and security best practices.

JavaScript
Skilled in using JavaScript to build interactive, responsive, dynamic and, user-focused web applications. Knowledgeable in asynchronous programming, API integration, and DOM manipulation to create smooth user experiences.

HTML/CSS
Proficient in building responsive, accessible web layouts with HTML5 and CSS, using Flexbox, Grid, and media queries. Experienced in integrating with JavaScript and frameworks for dynamic, user-friendly applications.

REACT.JS
Proficient in building responsive UIs with React.js, using its component-based architecture, Redux, Context API, and hooks for seamless interactivity. Skilled in performance optimization, routing, and API integration, with a focus on front-end best practices.

NODE.JS
Proficient in building scalable server-side apps with Node.js, using asynchronous programming and Express.js for API management. Experienced in database integration, authentication, and performance optimization, with strong JavaScript and modern development tool expertise.

MySQL/MongoDB
Skilled in managing MySQL and MongoDB databases, proficient in complex SQL queries, optimization, and data modeling. Experienced in integrating MongoDB with Node.js and using replication and sharding for scalability.

GitHub
I have over a year of experience using GitHub for team collaboration on various projects. This experience includes managing repositories, coordinating version control, conducting code reviews, and ensuring seamless project integration through effective use of Git branching strategies and pull requests.

Advanced Excel
Proficient in data analysis using formulas, pivot tables, and VLOOKUP. Skilled in creating spreadsheets, charts, and reports for clear data presentation.

I'm a seasoned full-stack developer with over 3 years of experience in creating intuitive web solutions. Passionate about technology and innovation, I thrive in collaborative environments and continuously seek to push boundaries. Let's work together to turn ideas into reality.

Experience

Freelancing   August 2021 - Present

Experienced Web Developer with 3 years of hands-on expertise in building responsive, user-friendly web applications. Proficient in front-end technologies including HTML, CSS, JavaScript, and React.js, as well as back-end development using PHP , Node.js and Express. Strong problem-solving skills, with a focus on optimizing performance, ensuring cross-browser compatibility, and integrating RESTful APIs. Adept at working in collaborative team environments and delivering high-quality, scalable web solutions.

Education

University of Calcutta   October 2021- July 2024
Computer Science   B.SC
7.0 GPA
🔗 https://caluniv.ac.in/

Projects

City Fixers
A local service booking website
🔗 https://github.com/sarbajit8/CityFixers

I led the development of a comprehensive local service booking platform that included distinct panels for admins, users, and vendors, enabling efficient management and interaction across all parties. The frontend interfaces were carefully crafted using HTML, CSS, and JavaScript to ensure an intuitive and responsive user experience. For the backend, I utilized the Laravel framework to build a robust and scalable infrastructure, managing business logic, database interactions, and authentication seamlessly. This allowed for streamlined booking processes, secure data handling, and real-time updates, providing a reliable platform for service providers and customers alike.

SPOTIFLIX
Spotiflix is a digital music streaming web application
🔗 https://github.com/sarbajit8/spti-flix

Developed this dynamic music application featuring a responsive frontend built with HTML, Tailwind CSS, and React.js. Designed a robust backend using Node.js and Express.js, integrated with MongoDB for efficient data management and Multer for seamless file storage.Developed this dynamic music application featuring a responsive frontend built with HTML, Tailwind CSS, and React.js. Designed a robust backend using Node.js and Express.js, integrated with MongoDB for efficient data management and Multer for seamless file storage.

FOOS
Online food delivery app
🔗 https://github.com/sarbajit8/FOOS

Designed and implemented a fully functional application with a responsive frontend using HTML, CSS, and React.js. Built a robust backend with Node.js and Express.js, enabling efficient server-side operations and seamless client-server communication. Leveraged MongoDB as the primary database to handle data storage and retrieval, ensuring reliable and scalable data management. Integrated Multer to handle file uploads, facilitating secure and efficient media file storage within the application. Added a payment gateway using Stripe to manage transactions. Completed development in 45 days, followed by 5 days of rigorous testing, totaling 50 days.

Book Your Show   October 2021-December 2021
A movie booking platform
🔗 https://github.com/sarbajit8/movie-booking

This website is developed with a robust tech stack. The front end is built using HTML, CSS, and the React.js framework, ensuring a responsive and dynamic user interface. On the backend, Node.js and Express.js handle server-side operations, delivering a seamless interaction with the client. The application is connected to a MongoDB database, providing efficient and flexible data storage.

Detect Your Disease
A Cancer Detection App

This is a web-based machine learning application designed for cancer prediction. The front end is developed using Streamlit, offering a user-friendly and interactive interface. On the backend, Python libraries such as Pickle, Pandas, Plotly, and NumPy power data processing, visualization, and model deployment. The application leverages a CSV dataset for comprehensive cancer data analysis and prediction.

Linear Regression
A machine learning app for calculating Linear Regression

This is a web-based machine learning application focused on linear regression analysis. The front end is built using Streamlit to deliver a streamlined and interactive user interface. On the backend, Python libraries such as Pandas, Matplotlib, statsmodels, and Seaborn are utilized to analyze data and perform linear regression calculations, providing users with detailed insights and visualizations.

Net.Pool
A cyber cafe managing app
🔗 https://github.com/sarbajit8/net.pool

In this project, the front-end is developed using HTML, CSS, and the React.js framework to deliver a dynamic and responsive user interface. The back-end is powered by Node.js, with Express.js providing a structured and efficient routing framework. MongoDB is used as the database to handle and manage data storage, ensuring seamless connectivity and data retrieval for the application. Together, these technologies create a full-stack application optimized for performance, scalability, and an engaging user experience.

Internships

Industrial Training   02/09/2023-04/02/2024
Industrial training on web development   Thakurpukur 3A,Kolkata
🔗 https://atechkol.in/

The training at A Technology Kolkata is designed to prepare participants to become industry-ready web developers. This comprehensive program covers both frontend and backend development. For the frontend, the curriculum includes HTML and CSS, focusing on creating responsive and visually appealing interfaces. In the backend, PHP is utilized to build robust server-side applications, while MySQL is used for efficient database management. JavaScript is integrated on both the frontend and backend to enhance interactivity and functionality. Additionally, GitHub is used throughout the training to facilitate collaborative group work, enabling participants to gain hands-on experience in version control and teamwork.

Institute of Data Engineering, Analytics and   20/07/2024-31/10/2024
Science Foundation Technology Innovation Hub,
Indian Statistical Institute
Data science and entrepreneurship
🔗 https://www.ideas-tih.org/

In the CSI project, I am responsible for leading the frontend development using React.js, where I design and implement a dynamic and responsive user interface that enhances user experience across various devices. I also utilize API connections to efficiently integrate the frontend with backend services, facilitating smooth data exchange and real-time updates. Collaboration with my team is a key aspect of my role, and I manage this effectively using GitHub for version control, coordinating code contributions, tracking progress, and ensuring smooth deployment and integration of features. This approach ensures that our development process is both agile and organized, leading to a high-quality final product.