ARITRA BERA

Kolkata, West Bengal

📞 +91-7003306313   ✉ aritrabera69@gmail.com   in Linkdin   github   Protfoilo

EDUCATION

Netaji Subhash Engineering College   **08/2021 – 06/2024**
B.Tech - Electronics and Communications Engineering - **CGPA - 7.6**   *Kolkata, West Bengal*

Saroj Mohan Institute of Technology   **08/2018 – 07/2021**
Diploma - Electronics and Telecommunications Engineering - **CGPA - 8.4**   *Guptipara, Hooghly*

COURSEWORK / SKILLS

- Computer Network
- Embedded System
- Internet of Things(IoT)

PROJECTS

Blood BankApp ⧉ | React, Bootstrap, Node.js, Express.js MongoDB and Redux Toolkit   **2024**
- Developed a Blood bank app, Integrated Redux Toolkit for efficient state management.
- Integrated authentication and authorization mechanisms using JWT tokens via Passport JS and secure REST APIs built with Express.
- Implemented data caching and debouncing to optimize performance and reduce unnecessary API calls.
- Deployed the application on **Vercel** for high availability and scalability.
- Implemented data caching and debouncing to optimize performance and reduce unnecessary API calls.
- Implemented CRUD operations for managing candidates, allowing admin users to add, update, and delete candidate information Via Admin User.

Chat App ⧉ | MongoDB, Express.js, React.js,Tailwind,Socket.io Node.js   **2024**
- Developed a real-time chat application using the MERN stack with Socket.io for seamless, bi-directional communication between users.
- Implemented user authentication and authorization, allowing users to securely sign up, log in, and manage their accounts, ensuring data protection and privacy.
- Created real-time presence indicators to show when users are online, enhancing user engagement and interaction within the chat application.
- Integrated notification system that triggers audio alerts for incoming messages, improving user experience by ensuring timely awareness of new communications.
- Deployed the application on **Render** leveraging cloud infrastructure to ensure scalability, high availability, and efficient performance for end-users.

Blogify ⧉ | Node.js, Express.js, and MongoDB, with EJS   **2023**
- Developed a dynamic blog post application using Node.js, Express.js, and MongoDB, with EJS templates for server-side rendering, facilitating a robust backend architecture.
- Implemented user authentication and session management, enabling users to sign up, log in, and securely interact with the platform by posting blogs and commenting on others' posts.
- Designed RESTful API routes for CRUD operations, allowing users to create, read, update, and delete blog posts, with support for image uploads to enhance post content.
- Deployed the application on **Vercel** ensuring efficient deployment, continuous integration, and reliable performance with seamless scaling capabilities.

TECHNICAL SKILLS

Programming Languages: C++, JavaScript
Web Development: ReactJS, Redux, Node.js, Express.js, RestAPI, HTML, Tailwind CSS, Bootstrap, Zustand, Socket.IO, Redis, Aws S3/Lambda, Git
Database Management: MongoDB, MySQL

ACHIEVEMENTS

Finaliest in Hardware Section SMART INDIA HACKATHON   **2023**
*Team **"CAREIFY"** PS Code:* **SIH1327**   *Manipal Institue of Technology, Mangalore*
- Problem Statement - **Developing a System for Patient Care in the Health Sector.**
- Participation Certificate. ⧉