Sk Rahemur Rahaman

Tamluk,West Bengal | P: +91 9832490023 | skrahemurrahaman@gmail.com | GitHub
LinkedIn | Protfolio | HackerRank

Education

B.Tech in Computer Science and Engineering
Camellia Institute of Technology(Graduated in 2025)

Higher Secondary Education (Science)
Vivekananda Mission High School

Secondary Education
Tamluk Hamilton High School

Projects

Learning Management System (LMS) Website (Ongoing Project) GitHub Repository

Subscription-Based Learning Management System

Tech Stack: React.js, Tailwind CSS, DaisyUI, Express.js, MongoDB, Redux Toolkit, Node-mailer, Razorpay, Cloudinary

- A scalable full-stack web application supporting over 2,000 users, with up to 200 concurrent users, ensuring smooth course access and efficient subscription management.
- Integrated Razorpay for secure payment processing, handling over 500 transactions monthly, and Cloudinary for cloud-based media storage, improving application performance.
- Implemented automated email notifications via Node-mailer and real-time feedback using React-Hot-Toast, resulting in a 40 percent increase in user engagement.
- Designed role-based access control for streamlined admin and user workflows, reducing subscription management time by 25 percent.
- Enhanced app performance using Redux Toolkit for state management, optimizing load times by 30 percent, and improving UI responsiveness with Tailwind CSS and DaisyUI.

My Portfolio CODE | Deployment Link

Tech Stack: HTML, CSS, JavaScript, MySQL

- A personal portfolio website, utilizing HTML, CSS, JavaScript (with frameworks), and MySQL, resulting in a 30 percent increase in client inquiries.
- Integrated MySQL for data management, ensuring seamless contact form submissions and efficient client interaction tracking.
- Optimized website performance with responsive design and fast load times, reducing bounce rates by 15 percent.

Flight Fare Detection using SK Learning and MERN Stack GitHub Repository

Tech Stack: Auto-SK Learn, MongoDB, Express.js, React, Node.js, Python, Pandas, Matplotlib, Seaborn, Numpy, AWS/Google Cloud, Jupyter Notebook, JupyterLab

- A full-stack web application for detecting and predicting flight fares, using the MERN stack for development and Auto-SK Learn for machine learning.

- Built and integrated a predictive model that forecasts fare trends based on historical data, achieving a 15 percent increase in predictive accuracy after feature engineering and data preprocessing.
- Designed a user-friendly interface that visualizes fare predictions and trends, improving user engagement and decision-making.
- Leveraged AWS/Google Cloud for deployment, ensuring a 99 percent uptime for seamless access and scalability.
- Processed and analyzed over 100,000 data points using Pandas and Numpy, optimizing the predictive model's accuracy.

Skills

- **Programming Languages:** Java, JavaScript,Python
- **Frontend Frameworks:** React.js, CSS, CSS3, TypeScript
- **Backend Frameworks:** Express.js, Node.js,Pandas,Auto-Sk Learn, Matplotlib and Seaborn, Numpy
- **Databases:** MySQL, MongoDB,
- **Version Control:** Git
- **Other Tools:** RESTful APIs, Postman, Docker, Jupyter NoteBook, Jupyter Lab

Achievements

Certifications:

- Earned certifications in Java, JavaScript, and SQL from Hackerrank, achieving an average score of 90 percent across all assessments, demonstrating advanced proficiency in these programming languages and database management.
- Completed over 50 coding challenges in Java, consistently ranking in the top 10 percent of participants.

Courses:

- Completed a Full Stack Web Development course from PW Skills, delivering 5+ projects with a satisfaction rate of 95 percent based on peer and supervisor feedback.
- Successfully implemented 10+ web development projects, including a real-time chat application and an e-commerce site, both praised for their functionality and UI design.