Md Rakibul Hasan

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portfolio-rakibul.netlify.app | github.com/Rakibul-98 | linkedin.com/in/rakibul-98

Objective

With a passion for transforming innovative ideas into impactful digital solutions, I architect end-to-end web applications that merge creativity with technical precision to solve tangible business challenges. My focus spans crafting pixel-perfect React interfaces, designing scalable RESTful APIs, and optimizing database architectures for speed and security. I aim to engineer adaptable, future-ready experiences that meet tomorrow's demands, drive organizational growth, and redefine the web's potential.

Experience

Systemic Altruism   March 2024 - July 2024

- Enhanced site performance for client projects by optimizing assets and implementing lazy loading, reducing average page load time by 30%.
- Engineered reusable React components (e.g., dynamic forms, UI libraries) to accelerate frontend development cycles by 25%, ensuring consistency across features.
- Conducted code reviews and debugging sessions, resolving 5+ critical bugs, enhancing code reliability, and fostering team collaboration.
- Collaborated with cross-functional teams to deliver full-stack applications using MongoDB, Express.js, and Node.js, adhering to Agile workflows.

Verify selection: https://drive.google.com/file/d/1u0ZoR4SeqK8gdMlovA1RKc0V1a1AxO2u/view

Projects

1. House Finder – Full-Stack Rental Service Website
Live link: https://house-rent-client.onrender.com/
Github link: https://github.com/Rakibul-98/house-rent-client.git

Key Features:
- A responsive design ensures seamless performance across all devices.
- Secure user authentication allows registration and login for owner, tenant, and admin.
- Advanced search filters properties by location, price, size, and amenities.
- Payment Gateway integration
- A user dashboard helps manage saved properties, inquiries, and account settings.
- Real-time notifications provide success toasts for inquiries and updates.

Tech Stack:
Frontend: Next.js, Tailwind CSS, Shadcn, Lucide Icons, Sonner, Zod

Backend: Node.js, Express, TypeScript, Mongoose, Node Mailer.
Authentication: JWT, Cookie parser,
State Management: Context API, Next state management
Build Tools: Next

2. Bike Solution – Full-Stack E-Commerce Platform
Live link: https://bike-solution-rakibul.vercel.app
Github link: https://github.com/Rakibul-98/bike-store-client

Key Features:
- Implemented secure registration (role-based authentication), login, and session management using JWT and bcrypt for password encryption.
- Integrated ShurjoPay for smooth and secure payment processing.
- Enabled order creation, updates, and tracking through a user-friendly dashboard.
- Provided clear validation messages and ensured data integrity using Zod for schema validation.
- Configured secure cross-origin requests for API interactions.
- Ensured optimal performance and usability across all devices.

Tech Stack:
Frontend: React, Redux Toolkit, React Router, TailwindCSS, DaisyUI, React Hook Form, React Hot Toast, Recharts, React Icons.
Backend: Node.js, Express, MongoDB, Mongoose.
Authentication & Security: JWT, Bcrypt, Cookie-Parser.
Build & Development: Vite, TypeScript.

Skills

- **Technical Skills:** React.js, Redux Toolkit, TypeScript, HTML5, CSS3, JavaScript (ES6+), Tailwind CSS, Bootstrap, Material-UI, Responsive Design, Node.js, Express.js, RESTful APIs, JWT Authentication, MongoDB, Mongoose, Database Design, Indexing, Query Optimization
- **Tools & DevOps:** Git, GitHub, npm, Postman, Firebase, Vercel, Netlify, React Testing Library, Chrome DevTools
- **Soft Skills:** Problem-solving, Agile Team Collaboration, Adaptability, Time Management, Attention to Detail, Critical Thinking, Client Communication, Code Documentation

Education

BSc, Computer Science and Engineering,	2021-2025
HSC, Higher Secondary School Certificate	2019
SSC, Secondary School Certificate	2017

Research

1. Bioinformatics and Deep Learning Approaches for Metapneumovirus

2. Empowering Early Diabetes Prediction Through Innovative ML and XAI Techniques: A Focus on Accuracy and Interpretability

Training

- **Complete Web Development**   2021
- **Redux From Beginner Level To Advanced**   2021
- **Next Level Web Development**   2024

Achievements

Achieved an average of 95% in the complete web development course by Programming Hero
Certificate: https://drive.google.com/file/d/1V2KtQdBUAdYw9y2cye53TwF-WsXdtJTP/view

Stand out top 5 in poster presentation at BSC ICT Fest
Certificate: https://drive.google.com/file/d/1EhZt4clek_qcmojs65U1AJJsRCanLMeR/view

Extracurricular Projects

Passion for solving technical challenges with scalable and efficient solutions, I am actively researching diabetes prediction models to enhance accuracy and ensure transparency in decision-making. In addition to this, my research on analyzing RNA protein structures for metapneumovirus was recognized among the top five posters at the BSC ICT Fest 2025. This achievement highlights my ability to break down complex scientific concepts, apply computational techniques to biological data, and communicate findings effectively to both technical and non-technical audiences.