

AB. MD. FAISAL RAHMAN || [Github](#) || [LinkedIn](#) || [CodeChef](#)

|| Rangpur, Bangladesh || faisaljfc1@gmail.com || +880 175 479 7363 ||

EXPERIENCES

Programming Hero — Senior Web Instructor L1 — (04 August, 2023 - Present)

- Solving the problems of the students enrolled in their MERN stack course.
- Creating tutorial short videos as demanded, writing blogs/articles to help students.
- Evaluating assignments. Answering questions from the students on social media.
- Conduct Mock interview sessions with students, or during the Instructor Hiring process.

IdealInformatics — Intern Software Developer — (03 June, 2023 - 02 December, 2023)

- Converting their HTML/CSS templates to React/Vue, PSD to codes and creating reusable components.
- I have automated most of the HTML => React/Vue conversion tasks, which saved a great deal of time from the first day of my work.

SKILLS

- **Frontend:** React, Vue, Bootstrap, Tailwind, React Router, Swiper, PSD to Code, API Integration, TanStack Query, Axios, Formik, DaisyUI, jQuery, Redux, NextJS, RTK Query
- **Backend:** Express, Firebase, Django, MongoDB, Mongoose, Prisma, PostgreSQL, REST API, MVC and Modular pattern, Middleware functions, ERD creation/analysis, JWT Authorization, Stripe, Zod
- **Languages:** JavaScript, Typescript, Python, Ruby, C++
- **Tools:** Git, GitHub, NeoVim, Terminal, Tmux, POSTMAN, Docker, Netlify, Vercel
- **Others:** OOP, Scripting/Automation, RegEx, BeautifulSoup

PROJECTS

Thrift Phones (MERN) | [Client](#) | [Server](#) | [Live Site](#) |

— Test account — Email: buyer@test.com — Password: test1029

- A React-based multi-vendor website for reselling used phones features buyers, sellers, and admins.
- Firebase and MongoDB handle authentication, while Express.js provides REST API. Admins can delete users, and verify sellers.
- Expensive operations are reduced by implementing data structures and relational data collection. Protected Routes use React-Router-DOM and JWT tokens. Dashboard pages change based on user roles.

Used Technologies: React, React Router, React -Bootstrap, Firebase authentication, Node.js, Express.js, JWT, MongoDB, Stripe Payment Gateway, Netlify, Vercel

HTML to Components Automation (Python) | [Source](#) |

- Reads the *.html files, discards the repetitive portions and converts it to React/Vue component, then stores them in the Component folder.
- Edit the automate.py file to switch between React or Vue conversion, and select which repetitive portions are needed to discard.
- The *.html URLs are converted to React/Vue Router Links.

Used Technologies: Python, BeautifulSoup, RegEx

TicTacToe (Ruby) | [Source](#) | [Live Site](#) |

- A CLI TicTacToe game made using Ruby and the concepts of OOP.
- The time complexity of each operation in this game is $O(n)$, and n is the grid size.
- Uses a recursive function call for each turn of the game.

Used Technologies: Ruby, Replit

Dentist Review (MERN) | [Client](#) | [Server](#) | [Live Site](#) |

- A website created using MERN stack that showcases dental treatments, allowing Firebase authenticated users to post reviews and store them in MongoDB.
- The app maintains user authentication state using Context API and useState hook, with React Router DOM v6 handling client-side routing and protected routes.
- A protected route, "my-reviews," allows users to view and update reviews, requiring a JWT token for authorized actions.

Used Technologies: React, React Router, React -Bootstrap, Firebase authentication, Node.js, Express.js, JWT, MongoDB, Netlify, Vercel

ChatApp (Express) | [Source](#) | [Live Site](#) |

- Test Account – Email: test@test.com - Password: <tesT1234>
- Instant messaging app using Express.js and WebSocket, allowing users to search and create/delete users.
- Secure Routes and authentication systems use JWT tokens, while MongoDB stores user information and images. Middleware functions handle authentication, authorizations, and error handling.
- Mongoose maintains data model schemas and relational database operations.

Used Technologies: EJS (template engine), CSS, Node.js, Express.js, JWT token, Multer, Mongoose, Websocket, MongoDB, Vercel

EDUCATION

University of Dhaka | M.Sc (Masters) in Physics | **CGPA** 3.38 | 2021 - 2022

University of Dhaka | B.Sc (Hons) in Physics | **CGPA** 3.24 | 2016 - 2020

COURSE COMPLETION

Full-Stack Web Development with React	Complete Web Development Course
Google IT Data Analytics	Google IT Automation with Python
Google IT Support	Excel Skills for Business
Django for Everybody	Python for Everybody
Web Design for Everybody	Google IT Automation with Python