

# Raghib Shahriar

## Front-End Developer



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[www.github.com/raghibku](https://www.github.com/raghibku)



## CAREER OBJECTIVE

I am dedicated to enhancing my proficiency in React.js, ensuring seamless responsive web designs with tools like Tailwind CSS, and mastering the backend development stack with Node.js and Express.js. I'm committed to staying updated with the latest web development trends, technologies, and best practices, to contribute to the design and development of secure, user-friendly and robust web applications.

## TECHNICAL SKILLS

- Programming languages :C, C++, MATLAB, Python, Javascript
- Frontend Technologies: React JS , Tailwind CSS
- Version control system: Git ,Github
- Backend Technologies & Database: NodeJS, ExpressJS, MongoDB
- Authentication System: Firebase, JWT

## PROJECTS

### Web-Development Projects

#### E-Home

E-Home, a real estate platform, employs the MERN stack for property-related activities. Features include:

- Firebase authentication for user sign-up and log-in.
- Stripe integration for secure property transactions.
- User features: property interaction, wishlist management, and offer submissions.
- Agent features: property management and handling of offers.
- Admin features: property verification, user and role management, and review oversight.
- View the project on [GitHub](#). Agent and Admin Routes access information is provided in the Readme file. View the [Live Demo](#).

#### Food Unity Exchange

Food Unity Exchange, a Community Food Sharing Platform, is developed with React, Firebase, Node.js (Express.js), and MongoDB, fostering connections between food surplus contributors and those in need. Key features include:

- User-friendly Firebase Authentication and Google Login.
- Food Management for adding, viewing, and requesting food deliveries.
- Donor Controls allowing updates and confirmation of food deliveries.
- Request Tracking for monitoring and canceling requests.
- Enhanced privacy with JWT Tokens.
- Thoroughly tested and deployed the application, accessible at [Live Demo](#).
- Provided user-friendly documentation. View the project on [GitHub](#).

## Miscellaneous Projects

- Image and Signal Processing using Matlab
- Simple games using JS (Snake Game, Obstacle Avoiding Game )
- Mimicking Robotic Arm.
- Design and implementation of trainer boards.
- AM & FM modulator and demodulator.
- Design of power supply.

## THESIS & PUBLICATION

### Image Reconstruction via Compressed Sensing

Co-authored with Dr. Mohammad Ismat Kadir and Nawshin Jahan

Published in International Conference on Electronics, Communications and Information Technology (ICECIT), 2021, Khulna, Bangladesh.

Implemented compressed sensing in image recovery using wavelet/DCT domains for sparsity, applying l1 norm-based regularization via a Matlab-based convex modeling framework (CVX). Employed Basis Pursuit technique and Douglas-Rachford iterative algorithm for image reconstruction, followed by transmission through an OFDM channel.

## EXTRACURRICULAR ACTIVITIES

**Music Involvement:** Actively contributed to various bands (Distortion , BlackCloud, UE) and musical organizations(Noise Factory) as a lead guitarist, honing teamwork and musical skills.

**Event Organization:** Successfully led the planning and execution of multiple university events, like PithaUtshab, Rag-Day, NoizeFest and so on showcasing strong leadership and coordination abilities.

## EDUCATION

### **B.Sc.**

Electronics And Communication Engineering Discipline,  
Khulna University, Khulna, Bangladesh  
Jan 2017- Jun 2022

### **S.S.C.**

Science, SOS Hermann Gmeiner  
College, Dhaka (2013)

### **H.S.C.**

Science, SOS Hermann Gmeiner  
College, Dhaka (2015)