

# Raisul Islam

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<https://raisulconnects.substack.com/>

## PROFILE

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Computer Science graduate proficient in JavaScript, React, Next.js, and Express. Strong problem-solving mindset with a focus on full-stack development and backend architecture best practices.

## EDUCATION

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<b>Bangladesh University of Business and Technology</b> <i>Computer Science and Engineering</i>	Year 2025 CGPA: 3.6
<b>Banophool Adibashi Green Heart College</b> <i>HSC — Science</i>	Year 2020 GPA 4.9
<b>Banophool Adibashi Green Heart College</b> <i>SSC — Science</i>	Year 2018 GPA 5.0

## PROJECTS

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- TaskPilot** | *Node.js, Express, MongoDB, React* Deployed on Netlify/Render
- Developed backend APIs using Node.js and Express for a full-stack task management system with CRUD operations, task assignment, and role-based access (Admin/Employee).
  - Integrated MongoDB for dynamic data storage and real-time analytics on task completion and distribution.
  - Implemented authentication for secure access to resources.
  - Optimized backend logic and database queries to improve performance and reduce API response times.
  - Collaborated with frontend using React and integrated APIs for seamless data flow.
  - Deployed backend on **Render** and frontend on **Vercel** (Live) with source code on GitHub (Repo).
  - Demo accounts: Admin: `admin@taskpilot.com` / Password: `admin112233` — User: `jack@taskpilot.com` / Password: `user112233`.
  - Note: Login may take a few seconds as the backend is hosted on a free Render instance.
- Takusa Blog** | *Next.js, MongoDB, NextAuth, Cloudinary, Tailwind CSS* Deployed on Vercel
- Built a full-stack, production-ready blogging platform with secure authentication (NextAuth), protected routes, CRUD-based post management, and image uploads.
  - Integrated Cloudinary and implemented infinite scrolling to optimize media handling and reducing server-side storage overhead
  - Optimized MongoDB queries and data-fetch patterns, reducing API response times by up to **40%** and improving overall performance.
  - Enhanced user experience with optimistic UI updates and a fully responsive interface using Tailwind CSS.
  - Deployed on **Vercel** (Live) with source code on GitHub (Repo).
  - Admin Account: email: `admin@gmail.com` password: `admin112233`
- MoviePix** | *React, JavaScript, Firebase, Firestore, Tailwind CSS* Deployed on Netlify
- Built a movie discovery and favourites web application using **OMDb** API with real-time search and detailed movie information.
  - Implemented authentication (FireAuth) and persistent favourites with Firebase, optimized performance with infinite scrolling and debounced search requests, reducing unnecessary API calls.
  - Managed global state using React Context API and hooks, and enhanced UX with responsive Tailwind CSS layouts and Toastify notifications.
  - Deployed on **Netlify** (Live) with source code on GitHub (Repo).

## TECHNICAL SKILLS

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**Frontend:** React, Next.js, Redux Toolkit, RTK Query, JavaScript, Tailwind CSS, DaisyUI, HTML, CSS  
**Backend:** Node.js, Express.js  
**Databases:** MongoDB, Firebase Firestore, MySQL  
**ORM / Data Access:** Prisma, Mongoose(ODM)  
**Developer Tools:** Git, GitHub, Postman, Docker, Vite, Netlify, Vercel, Cloudinary, Stripe  
**Concepts:** RESTful APIs, Authentication & Authorization, Responsive Design