

# Ebson Joy

## MERN STACK DEVELOPER

☎ +9747277851

✉ [ebsonjoy721@gmail.com](mailto:ebsonjoy721@gmail.com)

in [LinkedIn](#)

🐙 [GitHub](#)

🌐 [ebson.site](http://ebson.site)

### PROFILE SUMMARY

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Passionate MERN Stack Developer with hands-on experience in building responsive and dynamic web applications. Skilled in implementing user authentication, real-time features, and secure RESTful APIs. Proficient in React, Redux Toolkit, Node.js, and MongoDB, with a strong understanding of both user and admin side functionalities. A fast learner with a problem-solving mindset and a strong dedication to clean code and scalable design.

### SKILLS

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**Programming Languages:** JavaScript, TypeScript

**Front-End:** React.js, Redux Toolkit, HTML5, CSS3, Bootstrap, Tailwind CSS

**Back-End:** Node.js, Express.js, RESTful API Development, MVC Architecture, Repository Pattern

**Database:** MongoDB

**State Management:** Redux Toolkit, RTK Query

**Authentication:** JWT, Google OAuth

**Real-Time Communication:** WebSocket, Socket.IO

**Cloud & Deployment:** AWS (S3 Bucket, EC2), Nginx, PM2, Render, Vercel

**Version Control:** Git, GitHub

**Tools:** Postman, Visual Studio Code, Figma, Canva

**Others:** Razorpay Integration

**Soft Skills:** Strong communication, teamwork, problem-solving, adaptability

### PROJECTS

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#### Cupid'sCourt — Real-Time Dating Website

[Live Link](#) | [GitHub](#)

Cupid'sCourt is a full-stack dating platform that connects users through real-time matchmaking, chat, and video calls. Users can like or skip profiles, and matched users can communicate and play built-in games like Truth or Dare and Tic Tac Toe. The platform includes a Dating Advice section and a subscription model with a 2-day free trial. Secure payments are handled via Razorpay. It follows modern architecture and deployment practices to ensure scalability and performance.

- **Frontend:** Built with React.js and TypeScript for a responsive and dynamic UI. State management is handled using Redux Toolkit.
- **Backend:** Developed with Node.js and Express.js, following the repository pattern for organized code structure.
- **Database:** Used MongoDB to manage user profiles, matches, messages, subscriptions, and more.
- **Authentication:** Secured with JWT for user sessions and role-based access control.
- **Matchmaking & Communication:** Users can like or skip profiles. If both like each other, they match and unlock features like real-time chat and video calls using Socket.IO and WebRTC.
- **Games & Advice:** Includes built-in games like Truth or Dare and Tic Tac Toe, and a Dating Advice section with detailed articles.
- **Subscription Plans:** Offers a 2-day free trial, followed by multiple paid plans (1 day, 1 month, 3 months, 6 months), integrated with Razorpay for secure payments.
- **Image Storage:** User profile images are uploaded using Multer and stored in AWS S3.
- **Deployment:** Hosted on EC2 with Nginx, PM2, and secured via Certbot SSL.
- **Technologies Used:** React.js, TypeScript, Tailwind CSS, Redux Toolkit, Node.js, Express.js, MongoDB, JWT, Socket.IO, WebRTC, Razorpay, AWS S3, Nginx, PM2

#### WatchNext — Watch E-Commerce Website

[Live Link](#) | [GitHub](#)

WatchNext is a modern e-commerce platform dedicated to selling watches, providing a smooth shopping experience with secure login, dynamic product handling, and a responsive user interface.

- **TechStack:** Built using Node.js, Express.js, and JavaScript with a responsive frontend and a robust backend to manage users, products, and orders.
- **Product Management:** Admins can add, edit, and delete watch listings with full CRUD support.

- **User Authentication & Authorization:** Implemented secure login/registration with JWT-based session handling and role-based access control.
- **Database:** Used MongoDB to manage product inventory, user data, and order records efficiently.
- **Cart and Checkout:** Users can add watches to the cart, update quantities, and complete purchases smoothly.
- **Payment Integration:** Integrated Razorpay to handle secure and reliable payment processing.
- **Order Tracking:** Customers can view their order history and track current order statuses.

**Technologies Used:** HTML, CSS, JavaScript, Node.js, Express.js, MongoDB, JWT, Multer, Nodemailer, Razorpay, MVC Architecture, GitHub, Bootstrap

## MINI PROJECTS

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### ARTICLE FEEDS WEB APPLICATION

[Live Link](#) | [GitHub](#)

Developed a full-stack article feed platform where users can register, log in, and explore content across various categories. Users can create, edit, delete, like, and dislike articles, with a personalized dashboard to manage their content.

**Technologies Used:** React.js, Node.js, Express.js, MongoDB, Redux Toolkit, JWT

### AADHAAR OCR SYSTEM

[Live Link](#) | [GitHub](#)

A full-stack OCR application that enables users to upload Aadhaar card images and extract relevant details using text recognition technology. The extracted information is displayed in a clean and structured format.

**Technologies Used:** Next.js, Tailwind CSS, Node.js, Express.js, Tesseract.js

## EDUCATION

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### Brototype

2023 – Present

*MERN Stack Development*

- Built multiple full-stack web applications using the MERN stack following industry best practices.

### Kannur University

June 2019 – May 2022

*BSc Computer Science*

- Completed coursework in Data Structures, Operating Systems, Web Development, and Software Engineering.