

SHOVAN BHATTACHARJEE

Web Developer

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🌐 shovan-bhattacharjee 🐙 Shovan Bhattacharjee 📺 UVA 🏆 Codeforces 🍳 Code-Chef

SUMMARY

Proactive and results-driven Web Developer with a strong foundation in front-end and full-stack development. Skilled in building scalable, secure, and responsive user interfaces using React.js, Next.js, Tailwind CSS, and modern JavaScript (ES6+) with TypeScript. Experienced in translating UI/UX designs into high-quality, reusable components and integrating RESTful APIs with robust state management using Redux Toolkit and RTK Query. Proficient in implementing secure authentication workflows with NextAuth.js, JWT, and Firebase Auth, and ensuring data integrity with Zod-based form validation. Demonstrated ability to deploy and manage applications across platforms such as Vercel, Firebase, and Surge. Recognized for delivering clean, maintainable code and contributing effectively within agile, team-oriented environments.

EDUCATION

- 🎓 **International Islamic University Chittagong, Chattogram**
B.Sc. in Computer Science and Engineering (2021 - Present) CGPA: 3.806 / 4.00 (Up to 8th Semester)
- Final semester completed; awaiting thesis submission
- 🎓 **Bepza Public School & College, Chattogram**
Higher Secondary Certificate || Science || (2017-2019) GPA: 4.75 / 5.00
- 🎓 **Hazi Mohammad Mohsin Govt. High School, Chattogram**
Secondary School Certificate || Science || (2015 - 2017) GPA: 4.32 / 5.00

SKILLS

1. Technical Skills

- **Frontend Development:** React.js, Next.js, HTML5, CSS3, JavaScript, Tailwind CSS, DaisyUI, ShadCN/UI
- **Backend Development:** Node.js, Express.js
- **Database Management:** MongoDB (with Mongoose), MySQL, Oracle, PLSQL
- **State Management:** Redux Toolkit, RTK Query
- **Authentication & Security:** NextAuth.js, JWT, Firebase Auth
- **Validation & Form Handling:** Zod, React Hook Form
- **Programing Languages:** C, C++, Python(Familiar)
- **Tools & Utilities:** Axios, React Router DOM, Swiper.js, React Helmet, React Leaflet
- **Version Control:** Git & GitHub

2. Testing & QA Tools

- Postman, Apache JMeter, Selenium, Burp Suite – proficient in API testing, performance analysis, automated UI testing, and web application security assessment.

3. Soft Skills

- Competitive Learner • Teamwork • Adaptivity • Leadership

PROBLEM SOLVING SKILLS

- Codeforces (192+) • CodeChef (31+) • UVA (31+)

PROJECTS

★ AI-Content-Generator

- **Key Features**
 - i. **Secure Authentication:** Integrated NextAuth.js with Google OAuth for seamless and secure login functionality.
 - ii. **Dynamic Content Generation:** Enabled users to generate professional content such as blogs, emails, dialogues, and SEO-optimized text using the OpenRouter.ai API with real-time processing and customizable prompts.
 - iii. **Content Management:** View, save, and manage generated content with markdown rendering, responsive UI, and Zod-based form validation for input integrity.
 - iv. **Profile Management:** Users can update their name and profile picture, with images uploaded to Cloudinary and URLs securely stored in the database via Prisma.
- **Technology Used**
#Next.js #Prisma #NextAuth.js #Redux Toolkit #RTK Query #React Hook Form #ShadCN/UI #Tailwind CSS #OpenRouter.ai
#ReactMarkdown #ZOD #TypeScript #Cloudinary
- **Live Link :** [AI-Content-Generator](#) • **GitHub Repo:** [Code](#)

★ Knowledge Corner (Library Management System)

- **Key Features**
 - i. **Secure Authentication:** Implemented JWT for user and librarian authentication to ensure secure access to features.
 - ii. **Dynamic Book Management:** Enabled librarians to add, update, and manage books with real-time inventory tracking.
 - iii. **User Book Borrowing:** Allowed users to borrow and return books with automatic fine calculation for overdue books.
- **Technology Used**
#React.js #MongoDB #Node.js #Express.js #JWT #TailwindCSS #FirebaseAuth #ReactRouterDOM #Axios #SwipperJs
#ReactHelmet #FirebaseHosting (Client) #VercelHosting (Server)
- **Live Link :** [Knowledge Corner](#) • **GitHub Repo:** [Client Side](#) & [Server Side](#)

★ Asia Adventurer (Tourism Management website)

- **Key Features**
 - i. **Explore Tourist Spots:** Discover all tourist spots added by users, sorted by average cost.
 - ii. **Add Personal Spots:** Users can contribute by adding their favorite tourist destinations.
 - iii. **My List Page:** A dedicated page where users can view and manage their list of tourist spots.
- **Technology Used**
#React.js #MongoDBAtlas #Node.js #Express.js #TailwindCSS #JWT #FirebaseAuth #ReactRouterDOM #ReactHelmet
#ReactAwesomeReveal #ReactSimpleTypeWriter #SwipperJs #FirebaseHosting (Client) #VercelHosting (Server)
- **Live Link :** [Asia Adventurer](#) • **GitHub Repo:** [Client Side](#) & [Server Side](#)

PROFESSIONAL TRAINING

- ✓ **Quality Assurance and Software Testing, Department of CSE, CUET — 80 hours (Aug 2024 - Dec 2024)**
 - Conducted under EDGE Project, Bangladesh Computer Council (BCC), ICT Division

COURSES

- ✓ **Complete Web Development Course (MERN Stack) - Programming Hero (Online Bootcamp) - (Jan 2024 - Jun 2024)**

TEACHING EXPERIENCE

- ✓ **Undergraduate Teaching Assistant, Dept. of CSE (July 2023 - Dec 2023)**

ACHIEVEMENT & AWARDED

- ✓ **Best Console Project Based on OOP (C++) || [GitHub](#)**
 - Here I completed my First OOP(C++) Based Project named Restaurant Management System, Where we implemented the basic features for both admin, chef, and users. I am excited to share that, I am certified by my Mentor for "Best Console Project".
- ✓ **Champion – Data Hackathon – Comilla University IT Fest 2024**
 - Led Team Akatsuki to victory in a Data Hackathon, delivering top-performing, data-driven and machine learning solutions to real-world challenges.

LEADERSHIP & ORGANIZATIONAL ROLES

- ✓ **Webmaster Secretary**
 - **Computer Club IIUC Executive Committee 2024**
- ✓ **Deputy Head of IT Department**
 - **Hult Prize at IIUC - Session (2023 - 2024)**
- ✓ **Webmaster**
 - **IEEE RAS IIUC SBC (17 August 2023 - 23 April 2024)**

LANGUAGE

- Bangla - Native
- English - Comfortable (Speaking, Writing)
- Hindi - Comfortable (Speaking, Listening)

HOBBIES

- Travelling
- Listening
- Cycling