SHOVAN BHATTACHARJEE
Web Developer

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🔗 shovan-bhattacharjee Shovan Bhattacharjee UVA Codeforces Code-Chef

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SUMMARY

Proactive and results-driven Web Developer with a solid foundation in front-end and full-stack web development. Expert in architecting scalable, secure, and responsive user interfaces using React.js, Tailwind CSS, and modern JavaScript (ES6+). Skilled in translating designs and wireframes into high-quality, reusable components and in implementing Test-Driven Development to ensure code reliability. Experienced with RESTful API integration, Redux Toolkit for state management, and real-time event-driven features using Socket.IO. Adept at secure authentication strategies, including JWT and Firebase Auth, and at deploying applications on cloud platforms such as Vercel, Firebase, and Surge. Known for driving continuous innovation, mentoring peers, and delivering transformative solutions in agile, collaborative environments.

EDUCATION

🎓 **International Islamic University Chittagong, Chattogram**
B.Sc. in Computer Science and Engineering (2021 - Present) CGPA: 3.809 / 4.00 (Up to 7th 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**
   - **Fronted Development:** React.js, HTML5, CSS3, JavaScript, Tailwind CSS, DaisyUI
   - **Backend Development:** Node.js, Express.js
   - **Database Management:** MongoDB (with Mongoose), MySQL, Oracle, PLSQL
   - **State Management:** Redux Toolkit
   - **Authentication & Security:** JWT, Firebase Auth
   - **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

★ **Knowledge Corner** (Library Management System)   **May 12 - May 15, 2024**
- **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)   **April 26 - April 30, 2024**

- **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

★ **Elite Residences Hub** (Luxury Real Estate)   **April 09 - April 17, 2024**

- **Key Features**
    - **i. Luxury Property Listings and Maps:** Showcase high-end properties with detailed descriptions and visuals. Utilize React Leaflet for dynamic, interactive maps to help users explore property locations.
    - **ii. User Authentication and Profile Updates:** Implement secure user authentication for profile updates and exclusive blog access. Allow users to update their profiles securely and effortlessly.
    - **iii. Engaging User Experience:** Use AOS for smooth animations. This website is developed with React and Tailwind CSS for a modern and responsive interface.
- **Technology Used**
    #React.js #TailwindCSS #Firebase #ReactRouterDOM #AOS #ReactLeaflet #SwipperJs #ReactHelmet
- **Live Link :**   Elite Residences Hub • **GitHub Repo:**   Client 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**

COURCES

- ☑ **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**