SHUBHAM KUMAR

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Education

Indian Institute of Information Technology Bhagalpur   Nov 2021 – May 2025
Bachelor of Technology in Computer Science and Engineering   *8.2/10 CGPA (absolute)*

Relevant Coursework

- Data structure and Algorithms
- Computer Networks
- Object Oriented Programming
- Database Management System
- Network Security
- Operating System

Projects

Chat Ticket | *Next.js, TailwindCSS, TypeScript, API, OAuth | **GitHub** | Live*   **August 2024**
- Built an **AI-driven** web app with **Next.js** and **TypeScript** for **intelligent**, **real-time question-answering**.
- Implemented **OAuth** for secure user **authentication** and **authorization**.
- Integrated **multilingual** support, enabling seamless interaction in **multiple languages**.
- Optimized performance and user experience with efficient **API** integration and **TypeScript**-based error handling.

Scroll Space | *HTML, CSS, JavaScript, GSAP, Locomotive | **GitHub** | Live*   **February 2024**
- Improved scroll performance by 60% using Locomotive.js for **smooth scrolling** and enhanced navigation.
- Integrated **GSAP** for **engaging animations** that boosted page engagement by 40%.
- Enabled **horizontal word scrolling** while scrolling down, enriching user interaction and visual appeal.
- Reduced initial page load time by 30%, significantly enhancing overall site performance.

Chat App | *MongoDB, Express, React, Node.js, Socket.IO | **GitHub** | Live*   **April 2024**
- Reduced message delivery latency by 50% with **real-time** messaging using **WebSockets(Socket.IO)**.
- Implemented secure user **authentication** for chat rooms, enhancing **data protection** and reducing breaches by 40%.
- Enhanced user engagement with **notification sounds** for messages, increasing responsiveness by 40%.
- **Optimized backend WebSocket** server configurations, improving server response times by 25%.

Technical Skills

Languages: C, C++, JavaScript
Backend: Node.js, Express
Frontend: HTML, CSS, TailwindCSS, Bootstrap, React, GSAP
Databases: MySQL, MongoDB
Web Technologies: Socket.IO
Developer Tools: Postman, VS Code, GitHub

Certifications

FlipKart Grid   **August 2024**
- Got selected for **Flipkart GRiD 6.0 Level 2** competition.
- Outperformed **4,84,302 participants** in a highly competitive environment, securing a position in the **top 327** teams.
- Excelled in the **Software Development Track** by leveraging problem-solving skills and creativity.

Front End Development   **September 2023**
- Well-versed in creating **structured** and **semantically** correct **HTML** documents.
- Proficient in **CSS** layout techniques, including **Flexbox** and **Grid** for **responsive** page layouts.
- Strong programming skills in **JavaScript**, including **ES6** Features and **modern** best practices.

Algorithmic Competitions/Achievements

- Completed **Google Cloud Arcade** training with hands-on cloud deployment and management experience.
- Successfully tackled over **1300+** challenging problems on **LeetCode** (**SJaiShu**).
- Effectively solved more than **1000+** complex questions on **GeeksForGeeks** (**shubhamq0xs**).
- Proficiently addressed over **700+** demanding problems on **CodeChef** (**shubham_jaishu**).
- Adeptly solved over **150+** intricate problems on **Codeforces** (**shubham_jaishu**).
- Led a team to the **24th** position out of **60** teams in the internal **SIH** (Smart India Hackathon).