

SHUBHAM KUMAR

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Education

Indian Institute of Information Technology Bhagalpur

Bachelor of Technology in Computer Science and Engineering

Nov 2021 – May 2025

8.2/10 CGPA (absolute)

Relevant Coursework

- Data structure and Algorithms
- Object Oriented Programming
- Artificial Intelligence
- System Design
- Database Management System
- Operating System

Projects

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)**.
- Deployed secure user **authentication** for chat rooms, improving **data protection** and reducing account breaches by 40% in six months.
- Enhanced user engagement with **notification sounds** for messages, increasing responsiveness by 40%.
- **Optimized backend WebSocket** server configurations, improving server response times by 25%.

Scroll Space | *HTML, CSS, JavaScript, GSAP, Locomotive* | [GitHub](#) | [Live](#) February 2024

- Used Locomotive.js for **smooth scrolling**, improving scroll performance by 60% and **enhancing navigation experience**.
- Integrated **GSAP** for **engaging animations** that boosted page engagement by 40%.
- Enabled **horizontal word scrolling** while scrolling down, enriching user interaction and visual appeal.
- Implemented image lazy loading, **cutting initial page load time** by 30% and improving overall site performance.

Quiz App | *EJS, TailwindCSS, Javascript, Node.js, Express, MongoDB* | [GitHub](#) | [Live](#) January 2024

- Implemented user **authentication** and **profile photo uploads**, ensuring secure access for 1000+ users.
- Developed quiz management with **real-time result** calculation, handling over 500 submissions daily.
- Designed a **desktop-friendly interface** using HTML, CSS (Tailwind CSS), and JavaScript, boosting user engagement by 30%.
- Optimized **frontend performance**, cutting page load times by 20% through **efficient code** and asset management.

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 2023

- Got selected for Flipkart Grid 5.0 Level 2 competition.
- Outperformed 32,000 participants in a highly competitive environment.
- Leveraged analytical abilities and creativity to stand out among a large pool of talented participants.

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 1200+ challenging problems on LeetCode (**SJaiShu**).
- Effectively solved more than 900+ 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).