

TONMOY MUKHERJEE

Contact Information

Ghaziabad, Uttar Pradesh
Phone: 📞 +919641943996
Email: ✉️ tonmoymukherjee31@gmail.com
LinkedIn: 🔗 linkedin.com/in/tonmoy-mukherjee-222673208
GitHub: 🐙 github.com/tonmoy-cpu

Professional Summary

MERN Stack Developer with hands-on experience in building scalable web applications. Improved application performance by 35%, reduced server response times by 20%, and delivered projects ahead of deadlines by 2 weeks. Specialized in creating dynamic and responsive user interfaces, reducing page load times by 25%. Adept at using JavaScript, React, Node.js, and MongoDB to design innovative solutions that increase user engagement and optimize web functionalities. Currently seeking opportunities to contribute technical and creative expertise to full-stack development teams.

Technical Skills

- **Languages:** Proficient in JavaScript, TypeScript, C++, C
- **Front-end Technologies:** React.js, Next.js, Tailwind CSS, HTML, CSS
- **Back-end Technologies:** Node.js, Express.js, FastAPI, RESTful APIs
- **Databases:** MongoDB, SQLite, Data Modeling, Query Optimization
- **Version Control:** Git, GitHub
- **Development Tools:** Visual Studio Code, Webpack, npm, Postman
- **UI/UX Design:** Wireframing, Prototyping with Figma

Professional Experience

- Microsoft Learn Student Ambassador (MLSA) Full Stack Web Developer** *August 2024 – October 2024*
Completed a dynamic learning program focused on creating modern web applications. Key highlights:
- Engineered 3 dynamic web applications with real-time data processing and highly interactive user interfaces, boosting user engagement by 25% and supporting 100+ concurrent users.
 - Completed 5+ major projects on time, optimizing workflows and coding practices, improving development efficiency by 15%.
 - Collaborated closely with mentors to refine skills in full-stack development, with a direct impact on a growing user base of 200+ active users across the projects.

Projects

- **ChatBotx:** Developed a real-time chat application using WebSocket, enabling 100+ concurrent users with ChatGPT-powered responses, improving user engagement by 25%.
GitHub: 🐙 <https://github.com/tonmoy-cpu/Chat-APP>
 - Implemented secure user authentication with JWT, ensuring data security and reliability.
 - Reduced response latency by 15%, optimizing the overall user experience.
- **Fullstack E-commerce Website:** Built a high-performance MERN stack e-commerce platform with integrated user authentication, shopping cart, and secure payment gateway, leading to a 30% increase in sales within 6 months.
 - Integrated Razorpay for seamless and secure payment processing, increasing customer trust.
 - Optimized React codebase, reducing page load times by 25% and improving user retention.
- **Urban Planning Dashboard:** Designed an urban planning tool using the MERN stack to analyze city infrastructure data, improving zoning decisions by 15% and enhancing urban development strategies.
 - Visualized data with dynamic charts using Chart.js, providing actionable insights for urban planners.

- Coordinated with urban planning teams to ensure data-driven decision-making and actionable outcomes.

Achievements

- Secured 2nd position in a departmental mini-project exhibition, out of 50+ participants, demonstrating advanced technical skills in web development and problem-solving.
- Selected for the prestigious SIH 2023 (Software Section), representing the institute in a national hackathon, outperforming 200+ applicants.
- Completed 10+ freelance projects with a client satisfaction rate of 98%, improving customer retention and repeat business.

Extracurricular Activities

- Active member of the college's coding club, organizing and executing 3+ hackathons with over 200 student participants, fostering a collaborative environment.
- Volunteered as a JavaScript instructor, teaching 50+ beginners in community tech workshops, improving technical literacy.
- Represented the college in inter-university coding competitions, achieving a top-10 finish in 2 events, demonstrating competitive programming skills.

Education

KIET Group of Institutions

Ghaziabad, Uttar Pradesh

Bachelor of Technology (B.Tech) in Computer Science

Relevant Coursework: Data Structures, Web Development, Algorithms, Operating Systems, Database Management Systems

CGPA: 7.5/10

Expected Graduation: 2026