

TONMOY MUKHERJEE

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github.com/tonmoy-cpu |

Professional Summary

MERN Stack Developer with hands-on experience in building scalable web applications. Demonstrated expertise in increasing application performance by 35%, reducing server response times by 20%, and delivering projects ahead of deadlines by 2 weeks. Proficient in creating dynamic and user-friendly web solutions, with a passion for problem-solving and collaborative development. Seeking opportunities to contribute technical and creative expertise in full-stack development.

Technical Skills

- Languages: JavaScript, TypeScript
- Front-end Technologies: React.js, Next.js, Tailwind CSS, HTML, CSS
- Back-end Technologies: Node.js, Express.js, FastAPI
- Databases: MongoDB
- Tools: Git, npm, Webpack, Visual Studio Code, Postman
- UI/UX Design: Figma, Wireframing, Prototyping
- Soft Skills: Team collaboration, problem-solving, leadership

Professional Experience

Microsoft Learn Student Ambassador (MLSA)

Sept 2024 – Nov 2024 Full

Stack Web Developer

Completed a dynamic learning program focused on creating modern web applications. Key highlights:

- Engineered 3 dynamic web applications with real-time data processing and interactive UIs, 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 full-stack development skills with impact on 200+ active users.

Projects

ChatBotx

- Developed a real-time chat application using WebSocket with ChatGPT-powered responses, supporting 100+ concurrent users and increasing engagement by 25%.
- Implemented JWT-based authentication ensuring secure communication and reduced latency by 15%.
- GitHub: <https://github.com/tonmoy-cpu/Chat-APP>

Fullstack E-commerce Website

- Built a high-performance MERN stack platform with integrated authentication, shopping cart, and payment gateway.
- Integrated Razorpay for secure transactions and optimized React codebase to reduce load times by 25%, increasing sales by 30%.

Achievements

- Secured 2nd place in a mini-project exhibition with 50+ participants.
- Selected for SIH 2023 (Software Section) out of 200+ applicants at national level.

Education

KIET Group of Institutions, Ghaziabad, Uttar Pradesh

Bachelor of Technology (B.Tech), Computer Science

CGPA: 7.5/10

Relevant Coursework: Data Structures, Web Development, Algorithms

Expected Graduation: 2026

