

ANIKET ROY

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SUMMARY

Full-stack developer skilled in the MERN stack with experience in secure authentication and real-time applications. Transitioning from testing to hands-on development and building scalable features.

SKILLS

- Frontend: React, HTML, CSS, JavaScript
- Backend: Node.js, Express.js, Flask, PHP
- Programming: Java, Python, C/C++
- Database: MongoDB, MySQL
- Tools: Git, GitHub

EXPERIENCE

Associate Software Engineer (Hybrid Role) | Toolsvilla

September 2025 - Present

- Executed comprehensive testing (functional and regression) and resolved critical production bugs across the platform, improving overall system stability by an estimated 15%.
- Implemented code-level fixes in JavaScript and Node.js for issues identified during QA, reducing bug recurrence rates by 25% in key e-commerce modules.
- Developed and maintained an automated QA suite using Node.js and Playwright, significantly cutting down the manual end-to-end regression testing time by 30%.
- Engineered a critical Python automation system that retrieves product data from MongoDB and utilizes the Google Content API to push daily updates to the Google Merchant Center.
- Managed the bug life cycle end-to-end, actively participating in code reviews and utilizing Git/GitHub to collaborate on integrating tested features into the main application branch.

PROJECTS

MERN Authentication System [\[Repo Link\]](#)

Tech Stack: MongoDB, Express.js, React.js, Node.js, JWT, Nodemailer, Tailwind CSS

- Engineered a secure full-stack authentication system using the MERN stack, featuring JWT-based session management with token expiration and role-based access control (RBAC).
- Implemented robust user management, including strong password validation (uppercase, number, special character) and essential workflows like email verification and password reset.
- Developed enhanced security features such as two-step verification (OTP) sent via Nodemailer during login to bolster user account protection.
- Delivered a fully responsive and professional frontend using React Router and Tailwind CSS, ensuring seamless navigation and real-time user feedback.

Real-Time Chat Application [\[Repo Link\]](#)

Tech Stack: MongoDB, Express.js, React.js, Node.js, Socket.io, Tailwind CSS

- Developed a real-time chat platform leveraging the MERN stack and Socket.io to enable instant, bi-directional messaging and live message updates.
- Implemented secure authentication using JWT for robust login, user session management, and protected profile management.
- Designed core interactive features including chat rooms, notifications, and emoji support to foster collaboration and communication.
- Utilized Tailwind CSS to deliver a fully responsive, modern, and scalable UI across devices, integrated with search functionality for seamless engagement.

ACHIEVEMENTS

- Inter Collage Coding Competition Winner.
- Smart India Hackathon (SIH) 2024 Finalist (Represent Dr. B.C. Roy Engineering College).
- C Programming Certification (NPTEL, 11/2024).

EDUCATION

Dr. B.C. Roy Engineering College, Durgapur | July 2023 – July 2025

MCA (Master of Computer Applications) | 8.0 CGPA