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Debasish Mahata

LinkedIn | GitHub | Portfolio

TECHNICAL SKILLS

- **Programming Languages:** Python, C, Javascript
- **Frameworks and Libraries:** NumPy, Matplotlib, Pandas, Flask
- **MERN Stack:** HTML5, CSS3, Tailwind CSS, Javascript, MongoDB, Express.js, React.js, Node.js
- **Design:** Fragma
- **Database:** MongoDB, MySQL
- **API Testing:** REST APIs, Postman
- **Dev-Tools:** Git, GitHub, Linux, VS Code

PROJECTS

E-Commerce Admin Panel   **React | Node | MongoDB**

Full-stack dashboard with real-time analytics, role-based auth, Stripe payments.

- Built responsive React UI with Redux state management.
- Implemented RESTful API in Node.js; integrated Stripe for payment processing.
- Added role-based access control and real-time sales analytics charts.

Real-Time Chat Application   **Next.js | Socket.IO | Tailwind CSS**

Responsive chat app with private rooms, typing indicators, emoji reactions.

- Used Socket.IO for real-time bidirectional messaging.
- Deployed on Vercel with 99.9

3-Day Weather Forecast PWA   **PWA | React | OpenWeatherMap API**

Mobile-first Progressive Web App with offline caching.

- Implemented service workers for offline functionality.
- Achieved Lighthouse PWA score > 92 on mobile.

EXPERIENCE

Open-Source Contributor – Various Projects (1st Oct 2024 – 10th Nov 2024)

- Contributed to open-source React and web-based projects by optimizing performance and improving UI components.
- Fixed bugs and enhanced functionalities in community-driven repositories to improve user experience and efficiency.
- Identified and fixed critical bugs in community repositories, enhancing user experience.
- Implemented lazy loading and performance optimizations, reducing load time by 30
- Collaborated with maintainers to review and merge pull requests efficiently.
- Gained experience in Git, GitHub, and collaborative software development workflows.

ACHIEVEMENTS & ACTIVITIES

- Taught C / DSA fundamentals to 15+ students in offline (oct – march 2025).
- Completed Full Stack Web Development from Apna College | link

EDUCATION

Bankura Unnayani Institute Of Engineering   Nov 2021 — June 2025

- **Major: B.Tech in Computer Science and Engineering,** MAKAUT, CGPA: 7.77/10
- **Programming MOOCs :** DataStructure & Algorithms, OOP, OperatingSystems, DBMS, Computer Network.