TANMOY MONDAL

Full-Stack MERN Developer

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CAREER OBJECTIVE

Aspiring Full Stack MERN Developer with a solid foundation in modern web technologies and hands-on experience in building scalable, user-centric applications. Proficient in JavaScript, React, Node.js, and MongoDB, with a strong passion for open-source development and Linux systems. Eager to contribute to dynamic teams, solve real-world problems, and grow through challenging opportunities in the software development industry

PROJECTS

Social Media – Full-Featured Social Platform

Live Demo(dantetestserver.pages.dev) | GitHub

- Built with **React.js**, **Redux Toolkit**, **Vite**, and **Tailwind CSS**; backend powered by **Appwrite**.
- Implements **real-time chat**, **authentication**, **post interactions**, and **notifications**, with a fully responsive UI.
- Utilizes advanced caching strategies: **IndexedDB**, **Service Workers**, **LocalStorage**, and **Cookies** to reduce server load.
- Efficiently handles large-scale UI interactions, consuming under **100MB RAM**.
- Designed with **modular folder structure**, **code-splitting**, and **custom Appwrite functions** for follow/comment systems.

College Library Management System

- Built using HTML, CSS, JavaScript, and PHP with admin and user logins.

EXPERIENCE

Full-Stack Developer

Academic Project | MERN Stack
Jan 2024 – Jun 2024

- Designed and developed a full-featured e-commerce platform using **MongoDB, Express.js, React.js, and Node.js (MERN)**.
- Built RESTful APIs for product listings, user authentication, cart management, and order processing.
- Implemented user roles (admin/user), secure login with JWT, and role-based access control.
- Created a dynamic, responsive frontend using **React**, **Redux**, and **Tailwind CSS** for seamless UX.
- Integrated backend services with MongoDB for real-time inventory and order data storage.

EDUCATION

Master of Computer Applications   71%
Maulana Abul Kalam Azad University of Technology
2023-2025

Bachelor of Computer Application   75%
The University of Burdwan
2020-2023

TECHNICAL SKILLS

Programming Languages
JavaScript, TypeScript, Python, HTML, CSS

Frontend Technologies
React.js, Tailwind CSS, Redux, Zustand, React Query, Shadcn UI, Axios

Backend & APIs
Node.js, REST API, MongoDB, Appwrite, SDK

Dev Tools & Platforms
Git, GitHub, Postman, Vercel, Cloudflare

Operating Systems
Arch Linux, Ubuntu, NixOS

ADDITIONAL INFORMATION

Languages: English (Fluent), Hindi (Fluent), Bengali (Native)

Certificates:
- *NPTEL – Privacy and Security in Online Social Media* (Topper) Verify

Hackathon:
- 3rd Place, *Internal Institute Level Hackathon 2024* – Durgapur Institute of Advanced Technology & Management Certificate