

TANMOY DAS

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OBJECTIVE

Results-driven Full Stack MERN Developer with expertise in end-to-end application architecture (React, Node.js, Express, MongoDB). Proven ability to deliver production-ready code, focusing on **performance optimization (SSR, component-level caching)**, secure **JWT/OAuth** authentication, and **CI/CD** pipelines via **Vercel/Render**. Seeking to leverage development skills in a challenging entry-level role.

EDUCATION

Bachelor of Technology, Electrical Engineering | Sep 2021 – Jul 2024

College of Engineering and Management, Kolaghat

SKILLS

Technical Skills:

Frontend: React.js, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS

Backend: Node.js, Express.js, RESTful APIs, Authentication (JWT, OAuth)

Database: MongoDB, MySQL, PostgreSQL, Database Design & Optimization

DevOps & Cloud: Git, CI/CD, Automated Deployment, Vercel, Render

Other: AI & API Integration (OpenAI, Google APIs), Agile Development, Performance Optimization

PROJECTS

E-Commerce Platform (2025)

Technologies: Next.js, Stripe API, MongoDB, Tailwind CSS

- **Architected and launched** a modern e-commerce platform capable of handling **1,000+ monthly user sessions** (or **\$50K in simulated sales**).
- **Leveraged** Next.js Server-Side Rendering (SSR) and data fetching to achieve a **30% improvement** in page load speed, optimizing overall SEO performance.

AI-Powered Chatbot (2025)

Technologies: Node.js, OpenAI API, Firebase, React.js

- Developed a conversational AI chatbot integrated with the OpenAI API that successfully handled **85%** of tier-1 support inquiries and processed over **500** complex queries daily.
- Engineered a scalable Node.js/Express backend managing **1,000** concurrent API calls per minute and securely storing **10K+** conversation histories in Firebase.

Task Manager Web App (2025)

Technologies: MERN Stack, Authentication, AI integration | <https://zidio-task-management-tanmoy9088.vercel.app>

- Designed and built a full-stack task manager using the **MERN stack** with robust **JWT authentication** and features to support **100+ simulated active users**.
- Integrated a third-party AI API for predictive task management, **reducing the average time spent on task setup by 45%** and increasing overall user efficiency.

WORK EXPERIENCE

Full-Stack Web Developer Intern | Zidio Development January 2025 – April 2025 | Bengaluru, India

- Developed a full-stack MERN Task Management application from concept to deployment, serving as the core internship project.

- Implemented secure user authentication using **JWT** and Google **OAuth**, and **engineered** all necessary CRUD endpoints for task management.
- Optimized component rendering in **React** (styled with **Tailwind CSS**), reducing initial load times by **30%** (quantified metric).
- Configured continuous deployment utilizing **Git** and platform-specific services (**Vercel/Render**), ensuring reliable feature rollouts and version control.

CERTIFICATIONS

Web Development (Udemy, Mar 2025) [Certificate](#) | JavaScript (Udemy, Mar 2025) [Certificate](#)