Saurav Sarkar
WEB DEVELOPER

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CAREER OBJECTIVE

Passionate web developer with a solid foundation in React and NextJs for creating dynamic and responsive user interfaces, as well as proficiency in ExpressJs and MongoDB for building a robust backend.

SKILLS:

Frontend: JavaScript, TypeScript, React JS, HTML5, CSS3, Tailwind CSS, Next.JS, Redux toolkit, shadcn ui.
Backend: TypeScript, Express JS, MongoDB, JWT authentication, Zod validation.
Tools: Git, GitHub, Chrome dev tool, Vs Code, Cursor ai, Vercel.

PROJECTS:

1. Full-Stack Banking Application

A scalable, responsive full-stack banking system built with Next.js (TypeScript) for the frontend and Express.js (TypeScript) with MongoDB on the backend. The platform supports comprehensive financial operations, secure user interactions, and modern UI/UX.

- Authentication & Security:
  JWT-based authentication with secure session handling. Token and session validation for protected routes.
- User & Profile Management:
  Full user lifecycle: registration, login, profile update, and profile picture upload.
- Fixed Deposit & Interest System:
  Users can open fixed deposits with automatic daily interest accrual. Real-time transaction history and status updates. Backend system to handle interest calculations and maturity date management.
- ATM Card Generation:
  Automatic ATM card generation with unique card numbers and expiry dates.
- Payment Gateway Integration:
  Integrated with (SSLCommerz) for secure, real-time transactions. Payment confirmation, error handling, and callback validation.

Links : Online Presence | Source Code

2. E-Commerce full stack project

This application is built to manage users, products, orders, payments, and roles for a scalable e-commerce platform. It includes a robust backend using Express and MongoDB, a modern React.js frontend, and secure authentication/authorization systems.

- Cart & Order Management:
  Users can add/remove products from the cart and place orders. Orders include product info, quantity, total price, and shipping address. Track order status such as pending, shipped, and delivered.
- Authentication & Authorization:
  JWT-based secure authentication with hashed passwords. Role-based access ensures only authorized users.
- Payment Integration:
  Seamless checkout via Stripe. Securely processes payment with real-time feedback and order confirmation.
- Pagination, Sorting, and Filtering:
  Advanced querying for products using categories, price ranges, reviews, and search keywords.

Links : Online Presence | Source Code

3. **Student Management API**

   The Student Management System is a backend application built with Node.js, Express, and MongoDB. It allows administrators and teachers to manage student records efficiently, with features like secure user authentication, role-based access, and CRUD operations on students.
   - User Authentication:
     JWT-based sign-up and login for administrators and teachers. Sessions are managed securely with cookies.
   - Student Management:
     Create, retrieve, update, and delete student records.
   - Role-Based Access Control:
     Admins have full access to all student data. Teachers can only view or modify records they created.
   - Pagination, Filtering, and Sorting:
     Supports querying students by name, grade, and other fields. Includes pagination and sorting.

   Links: Online Presence | Server Source

4. **Blog Management System Api**

   Blog Management System API! This API provides a comprehensive solution for managing users, blogs, and authentication within a blogging platform. It is built using Node.js, Express.js, and MongoDB, and follows RESTful principles for easy integration with front-end applications.
   - User Management:
     Create, block, and delete users. Assign roles (admin or user) to users. Fetch user details by ID or all users.
   - Blog Management:
     Create, update, delete, and fetch blogs. Filter blogs by author, search by title or content, and sort by fields.
   - Authentication:
     User registration and login with JWT-based authentication. Role-based access control for protected routes.
   - Error Handling:
     Centralized error handling with detailed error messages. Support for validation, duplicate key, cast, and generic errors.

   Links : Online Presence | Server Source

5. **Tour Travel Api**

   Tour Travel Application! This application is designed to manage tours, bookings, users, and authentication for a travel agency. It provides a robust backend system built with Node.js, Express, and MongoDB.
   - User Management:
     Create, read, update, and delete users. Users can have roles like `admin` or `user`.
   - Booking Management:
     Handle bookings for tours, including booking status and total price calculation.
   - Authentication & Authorization:
     Secure routes with JWT-based authentication and role-based access control. Send emails for password reset and using Nodemailer.
   - Pagination, Sorting, and Filtering:
     Advanced querying capabilities for tours and bookings.

   Links : Online Presence | Server Source

Education:

B.Sc. Computer Science and Engineering
Daffodil International University
CGPA 3.70 (Out of 4.00)
2020 - 2024

Diploma in Computer Technology
Patuakhali Technical School and College
CGPA 3.59 (Out of 4.00)
2016 – 2020

Language:
Bangla: Native
English: Understandable

References:
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