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Profile Summary

Aspiring Software Engineer and current Computer Science student with practical project experience in full-stack development (MERN, Next.js, Java Spring Boot). Familiar with database design, RESTful APIs, and modern UI development. Continuously expanding my expertise in modern software engineering practices and AI-powered web solutions through active project building. Seeking to apply my academic foundation and coding skills to real-world applications.

Projects

GoCart – AI-Powered Multi-Vendor E-Commerce Platform (Final Year Project)

- Developed a scalable multi-vendor e-commerce platform supporting customers, vendors, and administrators through a centralized system.
- Built secure RESTful APIs for authentication, product management, order processing, inventory tracking, and vendor operations.
- Integrated Prisma ORM for efficient database management, query optimization, and schema migrations.
- Implemented role-based access control (RBAC), vendor dashboards, product catalog management, and real-time order workflows.
- Automated background processes using Inngest and documented the complete system architecture, database design, and API workflows in a 40+ page Software Design Document (SDD).
- Currently developing AI-powered features including an intelligent backend control system and voice-based shopping assistant for automated customer support and product recommendations.
- Live Demo: <http://bit.ly/43QzjnL>

My-Shop – Custom Gift Builder E-Commerce Application

- Developed a full-stack e-commerce application featuring a custom gift-building system with multi-step conditional workflows for personalized shopping experiences.
- Engineered advanced cart functionality including automated tax calculations, dynamic shipping rules, discount handling, and real-time order summaries.
- Integrated Stripe Payment Gateway to enable secure online payments and seamless checkout processing.
- Implemented JWT authentication and Bcrypt password hashing to ensure secure user registration, login, and session management.
- Utilized Redux for centralized state management, maintaining consistent application data flow across multiple user interactions.
- Designed a modern and responsive user interface using React-Bootstrap with enhanced user experience and optimized shopping workflows.
- Live Demo: <https://bit.ly/3PWYiCF>

Education

KFUEIT - Khwaja Fareed University of Engineering and Information Technology
Bachelors in Computer Science

2022-Present

Key Skills

Front End

- React.js, Next.js, JavaScript (ES6+), HTML5, CSS3
- Redux Toolkit, React Hooks, Context API
- Tailwind CSS, Bootstrap, Material UI, Shadcn/ui
- Responsive Web Design & Cross-Browser Compatibility
- Server-Side Rendering (SSR) & SEO Optimization

Database Technologies

- MongoDB, MongoDB Atlas
- Microsoft SQL Server, MySQL
- Prisma ORM & Database Schema Design
- Query Optimization & Data Modeling

SDLC

- Testing and Debugging
- Code and Quality Standards
- Teamwork and Collaboration

Back End

- Java, Spring Boot, Spring Data JPA, Hibernate
- Node.js, Express.js, RESTful API Development
- JWT Authentication & Authorization
- API Integration & Backend Architecture Design

Software Engineering

- Object-Oriented Programming (OOP)
- Data Structures & Algorithms
- Software Design Documentation (SDD)
- System Architecture & UML Modeling
- Version Control & Collaborative Development

Certifications



SQL Foundations - Microsoft



Backend Development and API Creation - Packt



Interactivity with JavaScript - University of Michigan



API Build a Bot (Fetch, JSON& Async JavaScript) - Scribba



Data Manipulation and Transactions in SQL Server- Microsoft



MERN Stack Front To Back: Full Stack React, Redux & Node.js - Packt



Advanced Frontend Development and Deployment - Packt



Web Development in React.js: Development Basics Deployment - Coursera Project Network

