

Navyendhu Menon

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Summary

Self-taught MERN Stack Developer with a commerce background, passionate about building scalable, high-performance web applications. Experienced in frontend and backend development, authentication, and API integration, with a strong focus on writing clean, efficient, and maintainable code. Adept at collaborating in agile teams and continuously researching new technologies to enhance development workflows

Skills

Programming Languages: JavaScript (ES6+), TypeScript, SQL

Frontend Technologies: React JS, HTML, CSS, Bootstrap 5, Tailwind CSS

Backend Technologies: Node.js, Express.js, RESTful APIs, Firebase, PostgreSQL, MongoDB

Tools and Technologies: Git, GitHub, Postman, AWS, Nginx, VSCode, Figma

Development Concepts: Data Structures, Algorithms, JWT, MVC Architecture

Soft Skills: Team Collaboration, Problem-solving, Time Management, Adaptability, Communication

Achievements

- Solved **330+ LeetCode problems** and earned milestone badges for **50, 100, and 200 days** of coding consistency.
- Served as **Event Chairman** for *Mercatura*, an inter-college university-level management fest, leading event coordination and execution.
- Conducted an **English communication session** for **100+ students**, enhancing their speaking and presentation skills.

Experience

Applied Research Developer

Brototype, Kochi, Kerala

Dec 2023 – Present (Ongoing)

- Conducting **in-depth research** on modern web technologies and best practices while developing scalable, industry-ready full-stack applications.
- Developing **industry-grade applications** such as Chat Apps and e-commerce platforms using React, Redux, Node.js, MongoDB, and RESTful APIs.
- Working in a **professional development environment**, following agile methodologies, version control, and structured **code reviews** to ensure quality and scalability.
- Strengthening **problem-solving and self-learning** through independent research, peer discussions, and real-world deployments.
- Program Equivalent: **1 year of professional MERN stack development** experience, covering both frontend and backend technologies.

Projects

Real-time Chat App (In Progress)

Feb 2025 – Present

Technologies: React, Socket.io, Node.js, Redux-Toolkit, MongoDB, JWT

- Developing a **real-time chat application** with Socket.io for instant messaging.
- Implementing **user authentication** and state management using Redux-Toolkit and JWT.
- Integrating MongoDB for efficient **message storage and retrieval**.

- Building a **responsive and interactive UI** with React.
- Ensuring secure communication through **token-based authentication (JWT)**.
- **Source Code:** [GitHub](#)

E-commerce Website: Eatables

Apr 2024

Technologies: MongoDB, Node.js, Express.js, EJS, JWT, AWS EC2, Razorpay API, Multer, Nodemailer, Passport.js

- Built and deployed a fully functional e-commerce platform with **user and admin panels**, featuring authentication, payment integration, and cart management.
- The **admin panel** allows management of users, products, categories, sales, shipments, and offers.
- Improved transaction success rates with seamless **Razorpay integration** for a smooth checkout experience.
- Automated **email notifications** using Nodemailer, enhancing operational efficiency.
- Deployed on **AWS EC2**, ensuring high availability and scalability for production use.
- **Source Code:** [GitHub](#) **Live Link:** [eatables.shop](#)

Side Projects

User Management System

Dec 2024

Technologies: React, Redux, Node.js, Express.js, MongoDB, HTML, CSS, Tailwind CSS

- Developed a secure, role-based user management system with distinct user and admin interfaces.
- Improved load times with efficient CRUD operations using Redux state management.
- Implemented JWT authentication for secure data handling and user authentication.
- **Source Code:** [GitHub](#)

To-Do App, Weather App, Quiz App

Nov 2024

Technologies: React, JavaScript, HTML, CSS, Tailwind CSS, Weather API

- Developed a To-Do app for task management, a Weather app to fetch real-time weather data, and a Quiz app with multiple categories and score tracking.
- **Source Code:** [github.com/Navyendhu/To-Do-App](#) [github.com/Navyendhu/Weather-App](#) [github.com/Navyendhu/Quiz-App](#)

Netflix and OLX Clones

Nov 2024

Technologies: React, Firebase, RESTful APIs

- Developed responsive clones of Netflix and OLX with dynamic content and real-time updates.
- Enhanced user engagement by integrating secure user authentication with Firebase.
- **Source Code:** [github.com/Navyendhu/Netflix-clone](#) [github.com/Navyendhu/Olx-clone](#)

Education

Bachelors in Commerce

Mahatma Gandhi University, Kottayam

Aug 2017 – July 2020