

# MOHAMMED NIHAL K

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## Professional Summary

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Full-Stack MERN Developer with comprehensive hands-on experience in designing, building, deploying, and optimizing scalable full-stack web applications. Proficient in system design, RESTful APIs, real-time communication, and cloud-native architectures. Successfully delivered production-grade solutions including real-time collaboration platforms, e-commerce systems, and role-based management dashboards. Skilled in AWS deployments, WebRTC, Socket.IO, Docker, and modern DevOps workflows. Trained and mentored by industry professionals with over 5 years of experience.

## Technical Skills

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**Languages:** JavaScript (ES6+), TypeScript, SQL, NoSQL

**Frontend:** React.js, Next.js, Redux, TailwindCSS, Bootstrap, HTML5, CSS3, EJS

**Backend:** Node.js, Express.js, REST APIs, MVC Architecture

**Databases:** MongoDB, PostgreSQL, Redis, Firebase

**DevOps/Cloud:** AWS EC2, Vercel, Nginx

**Realtime/Messaging:** WebRTC, Socket.IO

**Tools:** Git, GitHub, Postman, Cloudinary, Fabric.js, Monaco Editor, Tiptap Editor

## Projects

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**TACTICS — E-Commerce Platform** (Git Repo — Live Link)

- Built a responsive e-commerce platform with Node.js, Express, MongoDB, EJS, and secure MVC-based workflows.
- Improved product rendering and server performance, deploying with a stable production configuration.
- **Technologies:** Node.js, Express, MongoDB, Mongoose, EJS, MVC, dotenv, Git

**Chattify — Real-Time Chat Application** (Git Repo — Live Link)

- Developed a MERN real-time chat app with Socket.IO messaging, JWT auth, and presence detection.
- Designed a modern, responsive UI using React, TailwindCSS, DaisyUI, and Cloudinary uploads.
- **Technologies:** React, Node.js, Express, MongoDB, Socket.IO, Zustand, TailwindCSS

**UserManagement — MERN User & Admin System** (Git Repo — Live Link)

- Built a role-based MERN user/admin system with JWT auth, Redux state management, and profile workflows.
- Developed an Admin Dashboard featuring real-time search, CRUD actions, and image upload handling.
- **Technologies:** React, Redux, Node.js, Express, MongoDB, JWT, Cloudinary

## Education

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**Brocamp, Calicut** – Full-Stack Development Certificate **2024 – Present**

- Completed 10+ months of MERN, AWS, and system design training with senior developer guidance.

**MES Kalladi College** – BBA **2021 – 2024**

- Studied business tools including Tally, MS Word, Excel, and PowerPoint.

**P T M HSS Thazekode** – Higher Secondary (Commerce with Computer Application) **2019 – 2021**