

# Kartik Upadhyay

MERN Stack Developer — Full Stack Developer

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## Professional Summary

Full Stack MERN Developer with 1+ year experience building scalable web applications. Expertise in React.js, Node.js, Express.js, MongoDB, REST API development, and responsive UI design. Proven ability to develop e-learning platforms, e-commerce applications, and healthcare solutions. Strong problem-solving skills with proficiency in JavaScript ES6+, Git, Agile methodologies, and cloud deployment.

## Technical Skills

- **Frontend:** React.js, JavaScript (ES6+), HTML5, CSS3, Redux, Context API, React Hooks, React Router, Material-UI, Bootstrap, Tailwind CSS, Responsive Design
- **Backend:** Node.js, Express.js, RESTful APIs, JWT Authentication, OAuth 2.0, Middleware, Server-side Rendering
- **Database:** MongoDB, Mongoose, MySQL, Schema Design, Data Modeling, Aggregation Pipeline, Database Optimization
- **Tools & Technologies:** Git, GitHub, Postman, VS Code, NPM, Webpack, Babel, Docker, AWS, Heroku, Netlify, Vercel
- **Other:** Agile/Scrum, Payment Gateway Integration (Stripe, Razorpay), File Upload (Multer), API Testing, Debugging, CI/CD

## Professional Experience

**MERN Stack Developer (SDE-1)** Jan 2025 – Present  
*Mirical Infoserve IT Solution, Bhopal*

- Developed full-stack MERN applications including E-Learning Management System and Food Delivery platform
- Implemented OAuth 2.0 authentication, payment gateway integration (Stripe), and role-based access control (RBAC)
- Built RESTful APIs with Express.js and MongoDB, achieving 40% faster response times through query optimization
- Created responsive React components with Hooks and Context API, ensuring cross-browser compatibility and responsive.

**Frontend / MERN Stack Developer Intern** Jul 2024 – Dec 2024  
*Docxito (Autofabrico Manufacturing), Bhopal*

- Developed React Native mobile application for healthcare services with appointment scheduling and doctor profiles
- Integrated REST APIs with Node.js backend, managing data flow between frontend and MongoDB database
- Implemented form validation, error handling, and JWT-based authentication for secure user sessions
- Collaborated in Agile sprints, participated in code reviews, and followed Git workflow best practices

## Key Projects

**E-Learning & Certification Management System** — *React, Node.js, Express, MongoDB*

- Built full-stack platform with Google OAuth, Stripe payment integration, and automated certificate generation
- Implemented face-detection attendance system and admin dashboard for content management
- Developed RESTful APIs for course enrollment, progress tracking, and user management

**Food Delivery Web Application** — *MERN Stack, REST API, Payment Gateway*

- Created responsive e-commerce platform with cart management, order tracking, and payment processing
- Optimized MongoDB queries and implemented caching for improved performance
- Developed real-time order status updates and restaurant management dashboard

**Docxito Health Service App** — *React Native, Node.js, MongoDB*

- Developed cross-platform mobile app for doctor-patient connectivity and appointment scheduling
- Implemented push notifications, real-time chat, and secure data handling

## Education

**Master of Computer Applications (MCA)**  
Lakshmi Narain College of Technology (LNCT), Bhopal

2023 – 2025