

# MOHD UMAR

## MERN Developer

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### PROFESSIONAL SUMMARY

Full Stack MERN Developer with practical experience building production-ready web applications featuring authentication, database design, and cloud deployment. Started as a frontend trainer teaching HTML/CSS/React, then transitioned into full-stack development through intensive hands-on internship. Strong foundation in React.js, Node.js, Express.js, and MongoDB. Ready to contribute to a development team and tackle real-world challenges.

### TECHNICAL SKILLS

- **Frontend Development:** React.js, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Bootstrap, Responsive Design, jQuery.
- **Backend Development:** Node.js, Express.js, RESTful APIs, JWT Authentication, bcrypt, Middleware, MVC Architecture.
- **Databases:** MongoDB, MongoDB Atlas, Mongoose ODM, MySQL, Database Design
- **DevOps & Tools:** Git, GitHub, npm, Postman, VS Code, Chrome DevTools, Vercel, Render
- **Core Competencies:** Full Stack Development, CRUD Operations, State Management, API Integration, Cloud Deployment

### PROFESSIONAL EXPERIENCE

#### Self-Directed Full Stack Development

May 2023 – December 2023 (Certification) & January 2025 – Present

- Completed intensive MERN Stack training and built production-ready web applications including Car Rental Platform and Task Manager App
- Developed RESTful APIs with Node.js/Express.js and implemented secure authentication using JWT tokens and bcrypt encryption
- Built responsive user interfaces using React.js with functional components, hooks, and Tailwind CSS for modern design
- Designed database schemas and performed CRUD operations using MongoDB and Mongoose ODM with proper data validation
- Deployed applications on Vercel and Render, managed version control with Git/GitHub, and tested APIs using Postman
- Gained hands-on experience in full-stack development workflow from planning to deployment and debugging

#### Junior Trainer - Web Development (HTML, CSS, JavaScript, React) | Credible Academy, Saharanpur

January 2024 – December 2024

- Trained 25+ students in frontend web development fundamentals including HTML5, CSS3, JavaScript basics, and responsive design principles
- Conducted hands-on sessions on React.js covering component structure, props, state management, and basic hooks to build interactive user interfaces
- Designed practical assignments and mini-projects like portfolio websites, landing pages, and simple React apps to reinforce learning concepts
- Provided one-on-one mentoring to students for debugging code, understanding CSS layouts (Flexbox, Grid), and improving coding practices.
- Demonstrated live coding techniques, explaining DOM manipulation, event handling, and integrating Bootstrap/Tailwind for responsive designs.
- Gained deeper understanding of web technologies through teaching, which motivated transition to full-stack MERN development

## PROJECTS

### • **Car Rental Platform – DriveNow** | *Full Stack Web Application*

**Tech Stack:** React.js, Node.js, Express.js, MongoDB, JWT, ImageKit CDN, Tailwind CSS

#### Key Features:

- Built a full-stack car rental web application where users can browse available cars, book rentals, and owners can list their vehicles for rent.
- Implemented dual-role authentication system (User & Owner) using JWT tokens and bcrypt for secure password storage.
- Integrated ImageKit for cloud-based image upload and storage, allowing owners to add car images with optimized delivery.
- Developed booking functionality enabling users to select cars, choose rental dates, and manage their bookings with real time updates.
- Created Owner Dashboard for managing listed cars, viewing bookings, and updating car availability status
- Designed fully responsive UI using React.js and Tailwind CSS ensuring smooth experience across desktop and mobile devices
- Structured backend with Node.js, Express.js, and MongoDB using the MVC pattern and modular APIs.

### • **Task Manager App – Productivity Tool** | *Full Stack MERN Application*

**Tech Stack:** React.js, Node.js, Express.js, MongoDB, JWT Authentication, Tailwind CSS

#### Key Features:

- Developed a task management application to help users organize their daily tasks with features for adding, updating, deleting, and viewing tasks.
- Implemented secure user authentication and protected routes using JWT, ensuring only logged-in users can access their tasks.
- Added filtering options to view tasks by status (pending/completed), search functionality by keywords, and sorting by date (latest/oldest).
- Built RESTful APIs using Node.js and Express.js to handle task operations, following proper error handling and validation
- Used MongoDB for storing user data and tasks, implementing user-specific data access so each user sees only their own tasks.
- Created clean and intuitive UI with React.js and Tailwind CSS, making task management simple and user-friendly.
- Deployed frontend on Vercel and backend on Render, gaining practical experience with cloud deployment and environment configuration

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## EDUCATION

### **Bachelor of Technology in Electronics and Communication Engineering**

- Chandigarh Group of Colleges, Mohali | 2019 – 2023

### **Senior Secondary (Class XII) – CBSE**

- Delhi Public School, Saharanpur | 2018 – 2019

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## CERTIFICATIONS & TRAINING

- MERN Stack Development Bootcamp – Completed comprehensive online course covering MongoDB, Express.js, React.js, Node.js (2024)
- JavaScript for Beginners to Advanced – Built strong foundation in JavaScript including ES6+, asynchronous programming, DOM manipulation (2024)
- Responsive Web Design Certification – Learned HTML5, CSS3, Flexbox, Grid, and mobile-first design principles (2023)

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## GITHUB , LINKEDIN & PORTFOLIO

- **GitHub:** <https://github.com/imohdUmar>
  - **Portfolio:** <https://imohdumar.github.io/portfolio/>
  - **LinkedIn:** [www.linkedin.com/in/umar-khan-130150198](https://www.linkedin.com/in/umar-khan-130150198)
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