

# Hassan Mirza

Full-Stack Developer | MERN Stack Engineer

Lucknow, India

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## PROFESSIONAL SUMMARY

Full-Stack Developer experienced in building scalable MERN applications with secure authentication and RESTful API architecture. Strong in React-based frontend systems and Node.js backend services with modular design principles. Experienced in Docker-based containerization and Linux development environments. Passionate about building production-ready web systems end-to-end.

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## TECHNICAL SKILLS

**Programming languages:** JavaScript, TypeScript, Python, C/C++

**Full-Stack Technologies:** React.js, Node.js, Express.js, RESTful APIs, JWT Auth, Tailwind CSS, Bootstrap

**Databases:** MongoDB, MySQL

**Tools & DevOps:** Git, Docker, Linux, Postman, Shell Scripting

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## PROJECTS

### modelctl — Local LLM Web Interface

- Built a local-first web interface for interacting with LLMs via Ollama with real-time token streaming.
- Designed backend services to manage API communication, model switching, and session handling.
- Implemented dynamic UI updates using React state synchronization.
- Structured modular full-stack architecture to ensure scalability and extensibility.
- Tech: Python, Node.js, React.js, REST APIs
- Deployed using Docker-based containerization and cloud hosting.

### Quiz Management System

- Contributed to building a role-based web application for managing quizzes, question banks, and automated scoring.
- Implemented timed assessments, backend validation, and result analytics to ensure secure and accurate evaluations.
- Designed RESTful APIs for quiz lifecycle management and JWT-based authentication.
- Collaborated in a structured team environment with defined module ownership.

### E-Commerce Platform (MERN)

- Built a full-stack e-commerce system with JWT-based authentication, role-based access control, and complete order lifecycle management.
- Designed RESTful APIs supporting dynamic product and order workflows.
- Developed reusable React components with state-driven UI and API integration for real-time updates.
- Implemented modular backend architecture for scalability and maintainability.
- Tech: MongoDB, Express.js, React.js, Node.js, JWT

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## EDUCATION & CERTIFICATIONS

### Bachelor of Computer Application (BCA)

Integral University | 2023 – Present

### Certifications

Advanced Linux and Python Course – Udemy

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## ACHIEVEMENTS & ENGAGEMENT

### Smart India Hackathon (SIH) 2025

- Selected among 70+ teams; contributed to system design and solution planning.

### Active GitHub Portfolio

- Maintain full-stack projects showcasing REST APIs, authentication workflows, and modular architecture.