

# Sojitra Kartik

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📍 Ahmedabad

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## EDUCATION

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L.J.University

B.E.

2021 – 2025

Ahmedabad

## PROFESSIONAL EXPERIENCE

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Backend Developer

12/2023 – present

- Transitioned into a **Backend Developer** role, leveraging expertise in server-side technologies to design and maintain scalable, high-performance solutions.
- Architected and implemented **RESTful APIs**, ensuring efficient communication between frontend and backend systems.
- Integrated and optimized databases (**MongoDB, SQL**) to handle large datasets with a focus on **data modeling, query performance**, and **data consistency**.
- Spearheaded the development of advanced backend features, including **authentication systems, payment gateway integrations** (Razorpay, Stripe), and **real-time notifications** powered by **Socket.IO**.
- Enhanced system performance by reducing server response times by **30%**, using **Redis caching** and code optimization techniques.
- Collaborated cross-functionally with product managers, frontend teams, and DevOps engineers to ensure seamless user experiences and scalable system architecture.
- Developed and managed dynamic pricing features, including **discount systems** (seasonal, volume-based, loyalty programs) for e-commerce platforms.

### Key Achievements:

- Improved application performance by **40%** through optimized database queries and caching strategies.
- Successfully integrated **Stripe** and **Razorpay**, enhancing payment reliability and reducing transaction failures.
- Deployed backend services capable of handling **thousands of concurrent users**, ensuring scalability and reliability.
- Delivered **real-time updates** for order statuses and user notifications, increasing user engagement and satisfaction.
- Deployed real-time features for order statuses and user notifications, increasing user engagement and satisfaction.

- Streamlined order management processes, reducing average processing time by 25%.

## PROJECTS

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### Book store

- **Description:**

Developed a full-stack web application to manage a bookstore's inventory and user authentication. The application provides secure data exchange and persistent user sessions for a seamless user experience.

- **Technologies:**

Node.js, Express, MongoDB, Mongoose, React, Context API

- **Roles & Responsibilities:**

- Designed and developed RESTful API endpoints for book management and user authentication.
- Integrated middleware like CORS for secure data exchange.
- Implemented frontend authentication using React's Context API and localStorage for persistent user sessions.
- Managed the bookstore's inventory and user authentication processes.

### Chat app

- **Description:**

Developed a full-stack application named 'Chat-app' that enables real-time messaging and user authentication. The application supports seamless communication between users with a responsive and interactive user interface.

- **Technologies:**

Node.js, Express, MongoDB, React, Vite, Socket.IO, JWT, Tailwind CSS, DaisyUI.

- **Roles & Responsibilities:**

- Designed and developed backend RESTful APIs using Node.js and Express.
- Implemented real-time messaging functionality using Socket.IO.
- Developed and integrated user authentication and authorization with JWT.
- Created responsive and interactive UI components using React, Tailwind CSS, and DaisyUI.
- Managed project dependencies and scripts for efficient development and deployment processes.

## CERTIFICATES

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### The Structured Query Language (SQL)

University of Colorado Boulder

### Data Structures

University of California San Diego

### What is Data Science?

IBM

## SKILLS

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HTML | CSS | JavaScript | NodeJs |  
SQL | MongoDB | TypeScript

## LANGUAGES

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Gujarati | Hindi | English