

# Sojitra Kartik

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## Education

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<b>B.E.</b> <i>L.J.University</i>	2021 – 2025 Ahmedabad
<b>12th</b> <i>Taravda Gurukul</i>	2019 – 2021 Amreli

## Professional Experience

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<b>Ninja Tech</b> <i>Backend Developer</i>	12/2023 – present Ahmedabad
<ul style="list-style-type: none"><li>Transitioned into a Backend Developer role, leveraging expertise in server-side technologies to design and maintain scalable, high-performance solutions for a large-scale e-commerce platform.</li><li>Architected and implemented RESTful APIs, ensuring efficient communication between frontend and backend systems for seamless user experiences.</li><li>Integrated and optimized databases (MongoDB, SQL) to handle large datasets with a focus on data modeling, query performance, and data consistency, improving overall system reliability.</li><li>Spearheaded the development of advanced backend features, including authentication systems, payment gateway integrations (Razorpay, Stripe), real-time notifications powered by Socket.IO , and dynamic pricing features for e-commerce platforms.</li><li>Utilized <b>BullMQ</b> for efficient job queue management, ensuring smooth background processing of tasks such as order processing, payments, and inventory updates.</li><li>Implemented <b>Node-cron</b> for scheduled tasks, ensuring timely updates and background operations for order management and notifications.</li><li>Integrated <b>Swagger</b> for seamless API documentation and testing, streamlining collaboration between frontend and backend teams.</li><li>Leveraged <b>Docker</b> to containerize backend services, ensuring scalable deployment in cloud environments and smooth integration with CI/CD pipelines.</li><li>Enhanced system performance by reducing server response times by 30%, using Redis caching and code optimization techniques.</li><li>Developed and managed dynamic pricing features, including discount systems (seasonal, volume-based, loyalty programs), enhancing customer engagement and increasing sales.</li><li>Delivered real-time updates for order statuses and user notifications, increasing user engagement and satisfaction.</li><li>Collaborated cross-functionally with product managers, frontend teams, and DevOps engineers to ensure scalable system architecture and smooth deployment.</li></ul>	

## Projects

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### Url-Shortener

*Node.js, Express, Passport for Google Sign-In, Redis, Docker, Swagger*

- Designed and implemented a scalable URL shortener API that allows users to shorten URLs, track analytics, and manage custom aliases, offering advanced features like rate limiting and topic-based grouping.
- Integrated user authentication using Google Sign-In via Passport, improving user experience and security.
- Implemented comprehensive analytics for URL clicks, including tracking user geolocation, device type, operating system, and total/unique clicks, allowing users to gain insights into link performance.
- Utilized Redis for caching to enhance performance by reducing database load and speeding up URL redirection and analytics retrieval.
- Dockerized the application to ensure easy deployment and scalability on cloud hosting services like AWS.
- Documented API endpoints and functionalities with Swagger, making the project easily understandable and usable for other developers.
- Deployed the solution on a cloud platform and provided detailed README with setup instructions and deployment URL

### Chat-app

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

- Developed a real-time chat application that allows users to send and receive messages instantly, leveraging Socket.IO for bidirectional communication.
- Implemented secure user authentication and authorization using JWT to manage sessions and ensure secure access.
- Designed and built RESTful APIs using Node.js and Express, enabling seamless user interaction with chat functionality.
- Created a responsive and interactive front-end using React, Tailwind CSS, and DaisyUI, ensuring a smooth user experience across devices.
- Managed development workflows, including project dependencies, build scripts, and deployment processes for efficient project management.
- Deployed the application using cloud services to ensure scalability and high availability for a growing user base.


## Skills

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

## 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*

## Languages

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Gujarati  
Hindi  
English