

Ravi Kishan

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Backend Developer

Experienced backend developer adept at crafting scalable systems, managing databases, and building APIs. Skilled in Node.js, MongoDB, and integrating AI-driven features.

Education

Bachelor of Engineering in Computer Science — Jodhpur Institute of Engineering and Technology

CGPA: 8.60

Aug. 2023 - May 2024

12th in Science — L.P Shahil College Patahi, Muzaffarpur

80.00 Percent

10th — Utkramit M S Lalu Chhapra, Muzaffarpur

80.40 Percent

Projects

Web Applications

JunkJet Platform — Node.js, MongoDB, AI

- **AI-Driven Recycling Marketplace** - Links buyers and sellers of recyclable materials via an intelligent system.
- **Hexagonal Mapping Technology** - Employs a precise location-based algorithm for user pairing.
- **AI Chatbot Support** - Assists users with waste-related transactions.
- **Smart Dashboard** - Displays available materials and potential buyers.
- **Efficient Matching Logic** - Streamlines collection and distribution using AI.

WebParty Platform — Node.js, WebRTC, WebSockets

- Enables synchronized movie watching with friends in virtual rooms.
- Features real-time video, voice, and text communication.
- Offers secure, private chat rooms with end-to-end encryption.

Generative AI Chat Interface — Python, Streamlit, Gemini API, MongoDB, Docker

- Facilitates smart conversations powered by Google's Gemini API.
- Stores chat history in MongoDB.
- Provides a sleek interface using Streamlit.
- Deploys seamlessly with containerization.

Android Application

Ship Routing Tool — Java, SQL, API Integration

- Calculates optimal shipping routes using advanced algorithms.
- Integrates real-time weather and navigation insights.
- Planned enhancements for offline functionality.

Skills

Languages: Python, Java, JavaScript, Dart, SQL, HTML

Frameworks: Node.js, Fast API, Spring Boot

Tools: Git, GitHub, Docker, VS Code, Jupyter Notebook

Certifications

- Innovation, Business Models, and Entrepreneurship
- Python GUI Programming Using Tkinter
- Tkinter GUI Development Projects

Achievements

50 Days Badge 2024 - Solved problems for 50+ consecutive days on LeetCode, ranking in the top 6.9% of users.

160+ DSA Problems Solved - Developed a deep mastery of Data Structures & Algorithms through consistent practice on LeetCode.