

# Ranjan Kumar

Patna, India

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MERN Stack Developer | React.js | Node.js | Express | MongoDB

## Summary

Full-stack developer skilled in building scalable, responsive web apps using the MERN stack. Experienced with RESTful APIs, real-time features, and third-party integrations. Strong problem-solver (DSA/LeetCode) with a track record of shipping projects end-to-end: planning, development, testing, CI, and deployment (Render/Railway/GitHub Pages).

## Skills

- › **Front-End:** HTML5, CSS3, JavaScript (ES6+), React.js, Tailwind CSS, Bootstrap, jQuery
- › **Back-End:** Node.js, Express.js, MongoDB (Mongoose), EJS, REST APIs, WebSockets/Socket.IO
- › **Languages:** JavaScript, Python and C++
- › **Dev Tools:** Git, GitHub, VS Code, Postman, Chrome DevTools, Canva
- › **Other:** DSA (LeetCode), OOP, Puppeteer, Cheerio, Auth (JWT/cookies), Deployment (Render, Railway)

## Projects

- › **Unified AI Chat Platform (Telegram Bot + Web Chat)** (Express.js, LLM API, grammy, React)  
Built a single Express.js backend powering both a Telegram bot and a React-based web chat UI. Implemented custom commands (/summarize, /about), streaming responses, and rate limiting. Added middleware for logging, error handling, and API-key security. Deployed on Railway/Render.
- › **MERN Blog Platform** (React, Node.js, Express, MongoDB, JWT)  
Developed a secure blogging platform with authentication (register/login), role-based access, rich text editor, image upload, pagination, tags/search, SEO-friendly slugs, and an admin dashboard. Integrated Google AdSense and server-side input validation.
- › **Weather App** (HTML, CSS, JavaScript)  
Fetches live weather data from a public API to display temperature, humidity, and conditions. Responsive design with proper error states.
- › **Call App** (Socket.IO, Express.js)  
Real-time calling interface with dynamic routing and invite system using Socket.IO channels. Features a modular server structure with basic authentication hooks.

## Experience

**Web Development Intern — OctaNet Services Pvt. Ltd. (Remote)** *Jan–Mar 2024*

- › Built responsive UI components with semantic HTML, CSS, and JS; reduced CLS by improving image sizing and layout.
- › Wrote modular JS for feature flags and state management; participated in code reviews and QA.
- › Collaborated asynchronously with a remote team for staging deployments and bug triage using Git workflows.

## Education

**Bachelor of Computer Applications (BCA)**

Dr. C.V. Raman University, Vaishali, Bihar *2022–2025*

CGPA: 7.61

**12<sup>th</sup> — BSEB Patna** *2022*

Score: 64.4%

**10<sup>th</sup> — BSEB Patna** *2020*

Score: 77.3%

## Certifications

- › Python (Intermediate) — SoloLearn *Aug 2025*
- › JavaScript (Basic) — HackerRank *Dec 2024* (ID: 6fe850e75768)
- › Introduction to C++ — SoloLearn *Nov 2024* (ID: CC-SYZZYPBS)
- › Web Development Internship — OctaNet Services Pvt Ltd *Feb 2024* (ID: 86f329ee-2cbf-4e3d-9dfd-9b59727c41f1)
- › Introduction to JavaScript — SoloLearn *Jan 2024* (ID: CC-5JSBHQDE)
- › Responsive Web Design — freeCodeCamp *Oct 2023*
- › Introduction to C — SoloLearn *Aug 2023* (ID: MEUEXOBX)

## Additional Activities

- › Regular DSA practice on LeetCode/HackerRank; focus on arrays, strings, linked lists, stacks/queues.
- › Exploring advanced React patterns (hooks, context, reducers) and deployment on Render/Railway.
- › Participated in IESoft Technologies Coding Assessment — *June 2025*.