

# KARAN RAVINDRA CHAVAN

## FULL-STACK DEVELOPER

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[GitHub](#) | [Linkedin](#) | [Leetcode](#) | [Portfolio](#)

### SUMMARY

Full-stack developer (React, Next.js, Node.js, PostgreSQL) with a good DSA foundation and a habit of building real projects to learn by doing.

### EDUCATION

#### B.E. in Computer Engineering

Terna Engineering College

**Expected 2027**

CGPA: 9.0/10

#### Higher Secondary Certificate (HSC)

V. G. Vaze College

**2023**

Percentage: 68.8/100

### SKILLS

|                      |                                                           |
|----------------------|-----------------------------------------------------------|
| <b>Programming:</b>  | Python, C++, C, TypeScript, JavaScript, SQL, Shell (Bash) |
| <b>Frontend:</b>     | React.js, Next.js, TailwindCSS                            |
| <b>Backend:</b>      | Node.js, Express.js, REST APIs, WebSockets, JWT           |
| <b>Databases:</b>    | PostgreSQL, MongoDB                                       |
| <b>Core:</b>         | DSA, DBMS, OS, Computer Networks                          |
| <b>Design Tools:</b> | Canva, Figma                                              |
| <b>Soft Skills:</b>  | Communication, Time Management, Creativity, Collaboration |

### EXPERIENCE

#### Oasis Infobyte - Web Developer Intern

**Remote | Feb 2026 – Mar 2026**

Project: **Pizza Planet** — [Demo Video](#) | [GitHub](#)

- Engineered a full-stack Pizza Delivery Platform using the MERN stack, integrating Three.js for an interactive 3D ingredient customization window and Razorpay API for seamless end-to-end payment processing.
- Architected a smart inventory system and real-time dashboard using Node.js and MongoDB that dynamically tracks stock, triggers automated low-inventory email alerts, and instantly syncs order status updates.
- Implemented secure full-cycle user authentication, including registration, JWT-based session handling, email verification, and an automated "forgot password" recovery workflow.

### PROJECTS

- WS ChatApp – Multi-Room WebSocket Networking App (Node.js, WebSockets, TypeScript):** [GitHub](#) | [Live Demo](#) : Engineered a real-time chat application implementing custom communication protocols. Features instant room creation, automated member broadcasting, and persistent low-latency state management without traditional database overhead. Tech: Node.js, WebSockets (WS API), TypeScript, Express. (2026)
- Space A – DSA Spaced Repetition Engine (Next.js, TypeScript, PostgreSQL):** [GitHub](#) | [Live Demo](#) : Built an Anki-style spaced repetition platform for technical interview prep, pre-seeded with 665+ problems across Striver's SDE and A2Z DSA sheets. Implemented the SuperMemo-2 (SM-2) algorithm to dynamically compute review intervals from self-graded recall quality, alongside streak tracking, a 28-day activity heatmap, and a 7-day review forecast. Actively maintained with ongoing feature improvements. Tech: Next.js, TypeScript, PostgreSQL, SM-2 Algorithm. (2026)
- Somethingz CLI – Custom Command-Line Toolkit (Node.js, TypeScript, Commander.js):** [GitHub](#) | [Docs](#) : Built a custom CLI tool from scratch to learn how command-line interfaces are architected, using the Commander.js library for command parsing and routing. Implemented file-analysis commands (word count, line count) and a terminal-based countdown timer, with the command set designed to be incrementally extensible. Tech: Node.js, TypeScript, Commander.js. (2026)