Adarsh Kumar

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About

Final-year Computer Science student targeting Junior Software Development Engineer roles, with hands-on experience in backend and full-stack development using Java, Spring Boot, React, and the MERN stack, along with a strong foundation in data structures and core computer science concepts.

Technical Skills

Languages: Java, JavaScript, Python, C/C++
Core CS: Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks
Frontend: React.js, Next.js, HTML, CSS
Backend & APIs: Spring Boot, Node.js, Express.js, REST APIs
Databases: MongoDB, SQL
Tools & Platforms: Git/GitHub, Postman, Vercel, Render, Railway

Projects

Smart Recipe Generator - Full Stack Web Application   GitHub | Live

- Built a full-stack recipe platform using Spring Boot, React, and MongoDB, supporting 100+ dynamic queries.
- Designed REST APIs for user management and recipe generation, reducing response time by 25%.
- Implemented authentication using Google OAuth and JWT; deployed on Railway and Render.

Burrow — Healthcare Assistance Web Platform   GitHub | Live

- Designed and developed a full-stack healthcare platform enabling symptom-based disease prediction, medicine discovery, cart management, and doctor appointment booking.
- Architected a Node.js + Express backend with MongoDB, implementing role-based authentication for users and doctors using JWT, cookies, and token blacklisting.
- Built secure REST APIs for carts, medicines, and appointments, maintaining one-cart-per-user consistency and supporting doctor-side appointment status updates.
- Integrated a Flask-based ML prediction service via a backend proxy to handle symptom-to-disease inference while managing CORS and API abstraction.
- Implemented frontend state management using React Context (User, Doctor, Cart) and Axios interceptors for automatic authorization handling.

Experience

Full Stack Developer Intern - Axamine AI (Remote)   *Dec 2025 – Mar 2026 (Ongoing)*

- Working on Kalp Labs, a research-focused web platform.
- Handling frontend and backend development, including core system design.
- Implemented CRUD operations and role-based authentication using email OTP.

Hackathon Team Lead - MERN-based Projects   *May 2023 – July 2025*

- Participated in multiple hackathons as a team lead, delivering full-stack prototypes within strict time constraints.
- Built an adaptive e-learning platform (Clowder); secured Top 45 ranking at Smart India Hackathon 2024.

Education

Parul University - B.Tech in Computer Science   *Sept 2022 – May 2026*
CPI: 7.33 / 10
Class 12 (PCM): 64.33%   2021 – 2022
Class 10: 70.16%   2019 – 2020

Achievements

- Top 45 Finalist - Smart India Hackathon 2024
- Postman API Student Expert — Verified Badge