

SUSHIL KUMAR

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Gurugram, Haryana, 122002 (India)

SUMMARY

Software Developer with a strong focus on building scalable, real-world applications using Node.js, React, Next.js, and Python. A versatile problem solver with hands-on experience developing reliable end-to-end solutions through production-ready projects. Committed to applying modern frameworks and best practices while continuously learning and taking on new challenges.

SKILLS

- **Frontend:** React, Next.js, HTML, CSS, Tailwind CSS, JavaScript, TypeScript, Redux Toolkit, Context API
- **Backend and Databases:** Node.js, Express.js, REST API, MongoDB, PostgreSQL, SQL, NoSQL, DBMS, Data Structures
- **Languages and Tools:** C/C++, Python, JavaScript, Version Control System using Git, GitHub, VS Code, Postman, Docker

PROJECTS

[Flatmates](#) — [🔗 source code](#)

- Developed a full-stack web application for listing and searching flatmates/roommates across multiple cities, enabling users to add, delete, bookmark listings and search by city and location using advanced filters.
- Implemented a featured listing system with **Stripe payment gateway integration**, allowing users to pay a fee to rank listings higher in search results, improving listing visibility and platform monetization.
- Optimized backend performance using MongoDB indexing and server-side pagination, **reducing query response time by 35%** and integrated the Cloudinary API for efficient image uploads and media handling.
- Built secure and scalable backend services with Node.js, Express.js and TypeScript, implementing JWT-based authentication and rate limiting to enhance security and protect against abuse and potential attacks.
- Built a mobile-first, SEO-optimized frontend with Next.js, TypeScript, and Tailwind CSS; added a user dashboard for tracking listings and activity; and **deployed the app on Vercel (frontend) and Render (backend)** with Git and GitHub.

[Payyou](#) — [🔗 source code](#)

- Developed a fintech web application, enabling users to securely add amounts to a wallet, send and receive money, and real-time dashboard with graph-based transaction visualization and advanced filters.
- **Integrated Stripe payment gateway with webhook** handling to support secure wallet top-ups, ensuring reliable payment confirmation and transaction consistency.
- Built secure backend REST APIs with Node.js, Express.js, and MongoDB, implementing JWT-based authentication, **email-based OTP verification** using Nodemailer, and rate limiting to enhance security and prevent attacks.
- Optimized frontend performance using Redux Toolkit along with React.js and React Router, **reducing unnecessary API calls and improving application performance by 30%**.
- Deployed the backend on Render and the frontend on Vercel, using Git and GitHub for version control and **maintaining 99.9% uptime**.

[Micropost](#) — [🔗 backend code](#) — [🔗 frontend code](#)

- Built a social microblogging platform to post news, jobs, updates, and promote businesses and creative content.
- Implemented core features using the MERN stack, including user authentication (JWT, bcryptjs), post creation/deletion, saving posts, follow/unfollow, and profile management via RESTful APIs.
- Integrated Cloudinary for image uploads, toast notifications, and React Router for seamless routing, designed a mobile-first responsive UI, and deployed on Vercel (frontend) and Render (backend) using Git/GitHub with CORS enabled.

EDUCATION

- **Master of Computer Applications (MCA)**
July 2023 – June 2025

NRI Institute of Information Science and Technology

HOBBIES

- Playing Cricket