

# Jatin Kumar

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## EDUCATION

### B.Tech in CSE

SRM Institute Of Science And Technology

2022 – present | Chennai, India

## PROFESSIONAL EXPERIENCE

### SDE Intern

Climec Labs

Jul 2023 – Nov 2023 | Chennai, India

- Developed a Flutter application that seamlessly integrates with WiFi-enabled Air Purifiers.
- Built a Flutter app with Dart, seamlessly integrating Firebase as the backend.
- My contributions primarily centred on implementing device connection functionality and designing the application's user flow and integration.

## ORGANIZATIONS

### SRMKZILLA (Official mozilla campus club)

Associate Technical Lead

Oct 2022 – present | Chennai, India

- Started as a member, went on to become a associate technical lead in my second year.
- Worked on many open and closed source projects in MERN stack and Flutter.
- Created a Flutter application designed for managing event check-ins and attendance.
- Worked on the development of backend of a CMS in Node.js, TypeScript.

Skills: Node.js, TypeScript, Express, Flutter, AWS S3, MERN

## SKILLS

### Development and Cloud

NodeJS, MongoDB, PostgreSQL (Supabase), MySQL, ExpressJS, ReactJS, RemixJS, NextJS, Tailwind CSS, ChakraUI, and more

### Programming Languages

TypeScript, JavaScript, Python, Go, SQL, C and C++

## PROJECTS

### KzCMS

- Developed a CMS for SRMKZILLA using the MERN stack with TypeScript, Node.js, Express, and React.
- Designed and implemented a controller service architecture for authentication, validation, and middleware logic.
- Built an Image Upload service using AWS S3 to allow users to upload and manage images within the CMS.
- Contributed to various CMS features, including user management, content creation, and publishing.

### TinyBits

- Developing a URL shortener backend in GoLang, primarily for learning the language for a club project.
- Expanded it into a full-stack application by incorporating Remix.
- Leveraged Redis for caching and PostgreSQL for the database without using an ORM.
- Ongoing development as an open-source project, still a work in progress.

### Chat App

- Built a real-time chat app using HTML, CSS, Vanilla JS, and Firebase, enabling seamless communication.
- Implemented secure user authentication and authorization with Firebase Auth.
- Used Firebase Realtime Database to efficiently store and retrieve messages, enabling real-time messaging.
- Developed a scalable chat platform that can handle high user volumes and traffic.

### Music Player

- Built a music player web app with Deno, a modern JavaScript runtime.
- Used the YouTube Data API to search for and play videos.
- Deployed the app to the edge using Deno Deploy, making it fast and reliable for users around the world.
- The app is responsive and easy to use, with a clean and modern design.

### Fashiontonic

- Developed a Shopping App using Flutter and GetX for state management.
- Designed and implemented a modular architecture for the app, making it easy to maintain and extend.
- Designed the frontend to integrate seamlessly with the backend for a smooth user experience.
- Implemented a variety of UI elements, such as banners and filters, using the Flutter framework.