

# Saransh Kumar

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Portfolio : <https://saranshkumar.me/>  
Medium : <https://cryptosingh1337.medium.com/>

## EDUCATION

Amity University, Noida	2019 — 2023
Bachelor of Technology in Computer Science and Engineering, CGPA: 8.36/10	
Bal Bhavan Public Sr. Sec School	2017 — 2019
Intermediate	

## SKILLS

**Programming Languages** : Proficient in Java, Familiar with JavaScript  
**Tools and Web Technologies** : Spring, Spring Boot, Hibernate, Vue, HTML, CSS, Bootstrap, Git, Apache Maven, Docker  
**Database Management System** : MySQL, MongoDB

## WORK EXPERIENCE

### LoadShare Networks [↗](#)

Software Development Engineer Intern (Java, Spring Boot)

June 2022 — Sep 2022

- Developed COD microservice which enables the current system to accept COD orders (30% more orders).
- Created API for managing zone configs from the ERP which increased the system efficiency and no. of orders per day by 10%.
- Reduced the manual effort of Ops team in managing zones with the Geo-Spatial queries and resolved all the dependency conflicts with the help of parent POM.
- Upgraded the **Spring boot** version from 1 to 2 which improved the system efficiency and moved the WAR based deployment to JAR based deployment.

### Checkstyle [↗](#)

Contributor (Java)

Mar 2021 — May 2021

- Updated existing unit tests to use separate input file for each test method, Javadocs and added code examples.
- Learned about **CI/CD**, **Apache Maven**, **Unit testing** and merged over 35+ pull requests.

## PERSONAL PROJECTS

### VidFlow [↗](#)

An open source video sharing platform

Oct 2021 — Present

- Implemented features like infinite scroll, material design, pagination, **Jwt** authentication and role based endpoint security.
- Design the hybrid **REST** and **GraphQL** API to increase the system responsiveness.
- Manages user's watch, like video history and gives notification to the user if subscribed channel uploads a video.
- Working on this to add more functionality like Recommendation system, spam comments filtering, video trans-coding etc.

Tech stack: JavaScript, Vue, Nuxt, Vuetify, Java, Spring Boot, Spring security, MongoDB, Redis, Microsoft Azure, GraphQL

### Fellowship (SIH 2022 Grand Finale Project) [↗](#)

A Scholarship portal and aggregator

July 2022 — Aug 2022

- Provides functionality to search scholarships based on various filters.
- Recommend scholarships based on user details (country, degree, field of study, branch, title, family income etc.).
- Scraps scholarships from various sources and auto remove all the expired scholarships using CRON jobs.
- Admin dashboard - admin can update scholarships, user's data and can add scholarships using the JSON file or using JSON string.

Tech stack: Java, Spring Boot, Spring Data Mongo, Spring Security, Spring Scheduler, Java Mail API, Nuxt, Vuetify, AWS SQS

### Spring Recipe App [↗](#)

A Spring web application for managing Recipes

June 2021

- Developed a MVC application which can handle all the CRUD operations on Recipe, ingredients and its category.
- Provides functionality to upload an image for a recipe and store that in the database as BLOB (Binary Large Object).
- Used **JSR 380** to validate the incoming request model and **Thymeleaf** server side rendering.
- Wrote Unit and Integration tests using **JUnit5**, **Mockito** and used **CircleCI** for continuous integration.

Tech stack: Java, Spring Boot, Spring WebMvc, Spring Data JPA, H2-DB, Thymeleaf

## ACHIEVEMENTS

- Selected from 10000+ teams and participated in the Grand Finals of **Smart India Hackathon 2022**.
- Solved 200+ coding problems on Geeksforgeeks [↗](#), CodeChef [↗](#), LeetCode [↗](#), CodeForces [↗](#).