

# Saransh Kumar

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**GitHub** : <https://github.com/CryptoSingh1337>  
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**Portfolio** : <https://saransh-kumar.online/>  
**Medium** : <https://cryptosingh1337.medium.com/>

## EDUCATION

<b>Amity University, Noida</b> Bachelor of Technology in Computer Science and Engineering, CGPA: 8.33/10	<b>2019 — 2023</b>
<b>Bal Bhavan Public Sr. Sec School</b> Intermediate	<b>2017 — 2019</b>

## TECHNICAL SKILLS

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

## PERSONAL PROJECTS

<b>VidFlow</b> <i>An open source content sharing platform (similar to YouTube).</i>	<b>Frontend, Backend, Live</b> October 2021 — Present
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- Created material design UI using **Vuetify**.
- Used **nuxt-auth** to authenticate and authorize user using **Jwt** tokens.
- User can watch, upload, like/dislike a video and can subscribe to a channel.
- Application also manages the watch history of the user and gives notification to the user if subscribed channel uploads a video.
- Using **Microsoft Blob storage** for video storage and **Heroku** for deployment of backend on cloud.
- Using **RabbitMQ** for asynchronous events such as notifications.

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

<b>Blogged</b> <i>A fullstack blog posting web application</i>	<b>GitHub, Live</b> June 2021 — Aug 2021
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- Created REST API using **Spring Boot** which can handle all the CRUD operations related to Post, Comment, Category.
- Used pagination to reduce the time taken while fetching the data.
- Used **Spring Data Jpa** for the persistence layer and followed repository pattern and **JSR 380** (Java API for bean validation) to validate the incoming request model.
- Used **mapstruct** for converting the incoming request and response model to the respective domain entity.
- Created Unit tests along with API docs using **Spring Rest Docs, JUnit 5** and **Mockito**.

*Tech stack: Java, Spring Boot, Spring WebMvc, Spring Data JPA, Spring Rest Docs, H2-DB, React, Redux, Router*

<b>Spring Recipe App</b> <i>A Spring web application for managing Recipes.</i>	<b>GitHub, Live</b> June 2021
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- Created Mvc application which can handle all the CRUD operations on Recipe, ingredients and its category.
- User can also 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.
- Created Unit and integration tests using **JUnit5** and **Mockito**.
- Followed Behaviour Driven Development and used **CircleCI** for continuous integration.

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

## EXPERIENCE

<b>Checkstyle</b> <i>Contributor</i>	<b>GitHub</b> Mar 2021 — May 2021
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- Updated existing unit tests to use separate input file for each test method.
- Updated existing Javadocs and added code examples.
- Merged over 35+ **pull requests**.

## ACHIEVEMENTS

- Solved 150+ coding problems on Geeksforgeeks, Leetcode, InterviewBit, Codechef.
- 3 star on **CodeChef**.
- 4 star Problem Solver and 5 star Java programmer on **HackerRank**.