Saransh Kumar

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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	Java, 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** authentcation 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 ↗.