

# Saransh Kumar

lunaticdevs1337@gmail.com | XXXXXXXXXX

## EDUCATION

**Amity University, Noida**

B.TECH IN CSE

2019 - 2023

CGPA: 8.41, Major GPA: 9

## LINKS

Website:// [saransh.pro](https://saransh.pro)

GitHub:// [CryptoSingh1337](https://github.com/CryptoSingh1337)

Linkedin:// [saransh-kumar-2k19](https://www.linkedin.com/in/saransh-kumar-2k19)

Medium:// [CryptoSingh1337](https://medium.com/@CryptoSingh1337)

## SKILLS

Java • JavaScript • TypeScript  
Golang • Spring • Spring Boot  
Hibernate • Vue.js • Nuxt.js  
HTML • CSS • Tailwind CSS  
Git • GitHub • Docker  
MySQL • MongoDB • RabbitMQ  
AWS • Linux • Shell scripting

## PUBLICATIONS

Design of cloud based video sharing platform using Machine Learning ([paper link](#))

Comparing Deep Learning and Traditional ML for Detecting Spam and Trolls on Video Sharing Sites ([paper link](#))

## ACHIEVEMENTS

Employee of the month at **LoadShare Networks** for the month of Feb, 2024.

Selected from **15,000+** participants for **Smart India Hackathon 2022** Grand Finals.

## CERTIFICATIONS

Spring Framework 5

Java Programming  
Masterclass

Linux For Developers

The Complete 2020 Web  
Development Bootcamp

Java Programming: Solving  
Problems with Software  
(with Honors)

## WORK EXPERIENCE

**LoadShare Networks** | SOFTWARE ENGINEER (BACKEND DEVELOPER)

July 2023 - Present

- Owner of a service that oversees financial operations for both hyperlocal and non-hyperlocal delivery segments.
- Redesigning system architecture using various design patterns for seamless client integrations while enhancing scalability and maintainability.
- Identified system bottlenecks and proposed a comprehensive roadmap outlining potential improvements and new feature enhancements.
- Worked on POCs from the roadmap, including a custom KIE service wrapper for hot-reloading business rules.
- Completed integrations of various quick commerce clients like Pincode, Amazon etc.
- Automated non-platform rider's earning calculation in real-time using **Google App Script** and **Google Sheets**.
- Developed a flexible workflow framework with a built-in retry mechanism and supports third-party integrations like **GitHub** and **Jenkins**, currently used for rate card deployment.
- Created a configuration-based point system to incentivize riders to deliver orders, reduced the cost per batch by **15%**.
- Designed and implemented a ticket management microservice and a grievance system using a state-machine architecture, reducing issue resolution time by **35%** and enabling automated ticket resolution through pre-defined workflows.
- Tech Stack - **Java, Python, Spring, Hibernate, Drools, MySQL, AWS, GitHub Actions**

**Amadeus** | SOFTWARE ENGINEERING INTERN

CERTIFICATE

February 2023 - June 2023

- Integrated OpenAPI specification in API code generation flow. Wrote a pipeline to deploy the API on the **Azure Function App** using **GitHub Actions, Terraform**.

**LoadShare Networks** | SOFTWARE ENGINEERING INTERN

CERTIFICATE

June 2022 – September 2022

- Developed a Cash on Delivery (COD) microservice, enabling the system to accept COD orders, increasing order volume by **30%**.
- Designed an API to manage zone configurations, increasing system efficiency and the number of orders per day by **10%**.

## PROJECTS

**Orchestrix (under development)**

DEMO

A DAG-based workflow engine with node-based configuration. It supports various node types: listener nodes (cron, webhook, manual), flow nodes (branch, wait, stop), and action nodes (HTTP requests). It is a fully stateless system, allowing each component to scale independently.

Tech stack: Golang, PostgreSQL, Vue.js, RabbitMQ, Docker

**Serpent Clash (under development)**

DEMO | LIVE | GITHUB

A multiplayer snake game built with **Vue.js** and **Golang**, using **WebSockets** for real-time communication. It features an authoritative server, server reconciliation, and interpolation for smooth gameplay. It is based on entity-component-system architecture and uses Quad tree to detect collision efficiently.

Tech stack: Golang, Websocket, Vue.js, HTML Canvas, Tailwind CSS, Docker

**VidFlow (Major Project)**

GITHUB

An open-source video-sharing platform featuring infinite scroll, pagination, and role-based security. It manages watch history, liked videos, and subscriptions while providing KNN-based content recommendations and real-time spam filtering using the SVM algorithm using **AWS Lambda**.

Tech stack: Java, Spring Boot, MongoDB, Azure, AWS, TypeScript, Nuxt.js