

Saransh Kumar

lunaticdevs1337@gmail.com | XXXXXXXXXX

EDUCATION

Amity University, Noida

B.TECH IN CSE

2019 - 2023

Cum. CGPA: 8.41

Major GPA: 9

LINKS

Website:// 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 • Drools • Vue.js

Nuxt.js • HTML • CSS

Tailwind CSS • Git • GitHub

Docker • MySQL • MongoDB

RabbitMQ • AWS • Linux

GitHub Actions • Jenkins

Redis • JUnit • Apache Maven

Python • Shell scripting

COURSEWORK

Analysis & Design of Algorithms

Advance Java Programming

Software Architecture & Design

Advanced Network Solution

Machine Learning with Python

Cyber Security

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

Promoted to **SDE - 2**.

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.

WORK EXPERIENCE

LoadShare Networks | SOFTWARE DEVELOPMENT ENGINEER - 2

July 2023 - Present

- Worked across multiple systems, including rule engine, financial, grievance, payout, referral, and cron scripts.
- Currently working on a critical service that handles financial operations related to **hyperlocal, quick commerce, and non-hyperlocal**.
- Revamped the referral bonus calculation flow to easily integrate client referral rate cards and provide a better referral bonus structure according to the rider's state, **resulting in a 15% increase in referrals and onboardings**.
- Refactored earnings calculation flow using various design patterns to easily accommodate client-specific requirements, improving maintainability, and successfully integrated major quick commerce clients, including **Pincode** and **Amazon Now**, significantly **improving company revenue**.
- Designed a ticket management microservice and a state machine-based grievance system, enabled automated ticket resolution through preconfigured workflows, and **reduced issue resolution time by 35%**.
- Developed a flexible workflow framework with **GitHub** and **Jenkins** integrations to automate rate card deployments, reducing the risk of errors, minimizing the need for tech team intervention, and accelerating the organization's transition to a SaaS model.
- Created a configuration-based point system to incentivize riders to deliver more orders and **reduced the cost per batch by 15%**.
- Wrote various scripts and **cron jobs** for business analytics, rider performance, and data synchronization across systems.
- Proposed a system improvement plan, addressing various bottlenecks, and worked on multiple POCs, including a KIE service wrapper to hot-swap business rules.
- Tech Stack - **Java, Python, Spring, Hibernate, Drools, MySQL, AWS, GitHub Actions**

Amadeus | SOFTWARE ENGINEER INTERN

February 2023 - June 2023

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

LoadShare Networks | SOFTWARE ENGINEER INTERN

June 2022 – September 2022

- Developed a Cash on Delivery (COD) microservice, enabled the system to accept COD orders, and increased order volume by **30%**.
- Designed API for managing zone configurations that increased system efficiency and the number of orders per day by **10%**.

PROJECTS

Serpent Clash

DEMO | LIVE | GITHUB

Built a real-time multiplayer snake game using an **authoritative server** model with **ECS architecture** for efficient resource management. Implemented lock-free structured concurrency and **quadtree**-based collision detection. Gained hands-on experience with **WebSockets, Server-Sent Events, graphics rendering, and low-latency systems**.

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

VidFlow (Major's Project)

GITHUB

An open source video-sharing platform that features infinite scroll, pagination, and role-based security. Manages watch history, liked videos, and subscriptions. Provides recommendations using **KNN** and spam filtering using the **SVM** algorithm, deployed on **AWS Lambda**.

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