

Shashank Singh

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EDUCATION

B. Tech - Computer Science with Artificial Intelligence

Netaji Subhas University of Technology

CGPA: 8.00

11/2020 – present | New Delhi, India

AISSCE (Class XII)

Delhi Public School, Dwarka

93%

2020 | New Delhi, India

PROFESSIONAL EXPERIENCE

Software Development Intern

MyKaarma

05/2023 – 07/2023 | Noida, Uttar Pradesh

- Developed and Deployed a **microservice** utilizing Spring Boot to efficiently bill customers, resulting in improved performance and reliability. This led to the deprecation of the monthly billing job, saving significant processing time.
- Established a resilient architecture for facilitating message communication among various microservices and their respective databases, effectively managing node failures. Implemented a **three-queue system** to handle failed messages and automatically retry them using exponential back-off strategies.
- Discovered a fault in the system which could lead to the **blocking of queues**. As a result, **RFC** of the architecture was changed.
- Addressed and resolved over **20 bugs** in both the front-end and back-end systems.
- Primary technologies used: Spring Boot, Angular, RabbitMQ, ElasticSearch.**

PROJECTS

Expense Planner App - Tracks Personal Expenses

(Flutter/Dart)

2021

- Developed a functional prototype of a personal expense-tracking application.
- Visualized expenses throughout the weekdays using a **graph representation**.
- Incorporated both stateless and stateful widgets at various points to enhance the interactivity of the app.
- Compatible with both **Android and iOS platforms**.

Video Streaming Platform

2022

- Implemented all the functionalities found in a conventional Video Streaming Platform, including a specialized Video Player integrated with VideoJS, as well as robust login security protocols using **Spring Security**.
- Developed the front-end using multiple frameworks, such as **Bootstrap**, to create a user-friendly interface.
- Utilized **Spring Boot** for the back-end, ensuring efficient handling of data and seamless communication between the front-end and the database.
- Designed and implemented the database using **MySQL**.

ACHIEVEMENTS

Competitive Programming

Achieved a **Global Rank 8** in CodeChef January Challenge.

Publication

Published an article on Quantitative Easing on medium.com

POSITION OF RESPONSIBILITY

Event Head of Fintechstico - The Fintech Hackathon

Finance and Economics Society, NSUT

Led a team of over 36 members in planning and organizing a highly successful Competitive Programming Hackathon on the Dare2Compete platform, attracting more than 500 registrations.

01/2022 – present | New Delhi

Director of Finance

Finance and Economics Society, NSUT

Led a team of more than 20 members in orchestrating numerous seminars and events aimed at enhancing students' financial literacy.

07/2022 – present | New Delhi

SKILLS

- | | | | |
|-------|------------|-----------|---------------|
| • C++ | • Flutter | • Angular | • Spring Boot |
| • SQL | • RabbitMQ | • Python | • Git/Github |