

# Sakshi Choudhary

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## EDUCATION

Bachelor of Technology, Computer Science and Engineering  
SRM Institute of Science and Technology, Kattankulathur, Chennai

8.9 CGPA  
2019 - 2023

## SKILLS

**Programming Languages:** Java, Python JavaScript/TypeScript, C/C++

**Frameworks/Libraries:** HTML, CSS, React.js, Angular.js, Next.js, Node.js, Express.js, Spring Boot

**Systems/Databases /Tools:** MongoDB, SQL, Oracle, Apache Kafka, Apache Spark, Ansible, Airflow, Git, Linux, Kubernetes, Splunk, SDLC

## WORK EXPERIENCE

**Full Stack Engineer II | Bank of New York (Serving Notice Period)**

*Jul 2023 - Aug 2025 (2 yrs 1 mos)*

- Developed **microservices** for BNY's entity resolution application using **Java**, **Angular.js**, and **Spring Boot**, improving **duplicate client merging** efficiency by 60% through a **maker-checker workflow**.
- Designed and developed a dynamic, end-to-end **report generation framework** using **Spring Boot** and **Java**, empowering business users to create custom data reports with zero code, achieving a 65% improvement in reporting speed and cutting backend team dependency by 50%.
- Developed a **Negative News Search platform** for BNY's existing clients to search for any adverse media related to them by integrating inhouse AI ELIZA APIs to our system using **Java REST APIs**, **Spring Boot**, **Angular.js**.
- Architected a robust **data extraction framework** using **Spark** and **Java**, capable of handling multiple data sources like (Denodo, JDBC). Optimized the SQL queries by row **partitioning** and enforcing **oracle optimizer** to choose a better execution plan process to achieve a 70% reduction in data extraction time. Enhanced security by integrating an **SMS-based credential retrieval** system to fetch multiple database passwords from the BNY's streamlined credentials storage system.
- Created reusable **Ansible templates** and **automated the deployment** process for **Spark-Scala applications** on **Hadoop**, reducing **deployment time** by 80%, minimizing deployment errors, and significantly improving consistency across environments.
- Introduced **lazy-loaded Angular modules** and code-splitting techniques, reducing initial load bundle size by **40%** and decreasing first contentful paint (FCP) by **1.8s**.
- Drove the migration of legacy Cloudera services to **Kubernetes**, authored Helm charts, **containerized** the Spark History Server, and engineered ETL **orchestration** to optimize data pipeline execution.

**Full Stack Engineer Intern | Bank of New York**

*Jan 2023 - Jun 2023 (6 mos)*

- Created a **Global Exception Manager Service** with **Java**, **Spring Boot** and **Angular**, leveraging **highcharts** and **angular ag-grid** for user-interface, spring **custom annotations** and **AOP** for handling exception metadata storing logic, API layers to store and retrieve data and a **Kafka-based producer-consumer messaging queue** to streamline technical and business exception handling for an internal master data portal. This improved **operational efficiency** by cutting issue resolution time by 50% and significantly enhancing the accuracy of system monitoring and error management processes.
- Built an **automated health check application** using **Java multithreading**, **Spring Boot**, **Kafka**, **Angular** to monitor 10+ services, reducing manual intervention by 90% through scheduled status checks and automated email alerts.
- Acquired hands-on expertise in creating **Kafka Topics** and **Kafka administration**, governance, and monitoring, enhancing the ability to oversee Kafka infrastructure and ensure optimal performance.

**Software Development Intern | Nimblebox.ai**

*Oct 2022 - Dec 2022 (3 mos)*

- Engineered an internal **admin dashboard** using **Node.js RESTful APIs** and **React.js** with functional components and hooks for efficient state management, enabling **real-time monitoring and analytics** of 1,000+ user activities, **reduced manual tracking** overhead by 60%.

**Software Development Intern | Puddle.in**

*Jun 2022 - Aug 2022 (2 mos)*

- Led the development of interactive, **user-facing features** for **Puddle.in** using **Next.js**, **MongoDB**, **React.js**, and **Material UI**, improving mobile responsiveness and accessibility scores by 30% across devices.
- Implemented **custom course filtering microservice**, integrating with **MongoDB**, and building responsive UI components in React.js enhancing content discoverability and **increasing user engagement** by 25%.

## PROJECTS

**SRMIST Project Management Portal | GitHub**

- Developed a web portal (100+ active users) for SRMIST faculties and students to manage research, major, and minor projects.
- Accomplished a complete maker-checker workflow to onboard projects, JWT-based authentication using **Node.js** and **Next.js**.

## ACHIEVEMENTS

- **3rd Position** at IIT Bombay EdTech Hackathon 2021 (National-level Hackathon)
- **1st College Rank**; 42nd National-level Rank in CodeKaze (coding competition by Coding Ninjas)
- Selected for GitHub Externship Program 2021, contributed to **open-source project Uptime CLI** under Pabio (YCS21 startup)
- Selected as **GitHub Campus Expert** for SRM Institute of Science and Technology by GitHub.