

# Sonal Kamble

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## EDUCATION

### State UNiversity of New York - New Paltz

*MS in Computer Science*

New Paltz, New York

January 2025 – Present

### Sunbeam Institute of Technology

*PG Diploma in Advanced Computing*

Pune, India

August 2021 – April 2022

### DY Patil's Ramrao Adik Institute of Technology

*Bachelor's of Engineering in Electronics and Telecom.*

Navi Mumbai, India

Aug. 2017 – May 2021

## EXPERIENCE

### Computer Science Tutor

*Self-Employed*

August 2023 – Present

*Remote*

- Teaching ICSE(Indian Certificate of Secondary Education) students core Java concepts, including arrays, patterns, logic building, and object-oriented programming.
- Designing structured lesson plans to simplify complex topics and enhance students' problem-solving skills.
- Guiding them in debugging, optimizing code, and preparing for exams through hands-on practice.
- Providing one-on-one mentorship to help students build a strong foundation in computational thinking and algorithm design.
- Developed custom exercises and coding challenges to reinforce concepts and improve logical reasoning.

### Software Engineer - Development

*Pansuriya Impex (HK) Ltd.*

Dec 2023 – Feb 2024

*HQ: Hong Kong*

- Contributed to developing the company's official website, supporting internal diamond management and external customer purchasing.
- Integrated external APIs via REST services to securely fetch and authenticate data.
- Implemented data validation, exception handling with try-catch blocks, and stored validated data in the database using Mappers.
- Developed a Java Scheduler for automatic method recall, ensuring uninterrupted system functionality, while actively debugging for a smoother user experience.

### Associate Software Engineer - Development

*SAS Research & Development Pvt. Ltd.*

May 2022 – Nov 2022

*HQ: North Carolina*

- Played a key role in developing REST endpoints, ensuring user-friendly responses with necessary links to related objects for a more intuitive user experience.
- Contributed to the development of the Retail Gateway by creating simplified API wrappers, improving integration and system performance.
- Assisted in implementing basic testing procedures with JUnit for new and existing system components, ensuring code reliability and quality.
- Focused on maintaining the code base, with an emphasis on scalability, performance, and security, under the guidance of senior team members.

## PROJECTS

### RESTAURANT MANAGEMENT SYSTEM - CDAC PROJECT

- Developed a robust restaurant management system using Spring Boot, Spring Data JPA, React.js, and MySQL to efficiently manage activities like ordering, serving, and billing.
- Applied SOLID principles to enhance code maintainability, scalability, and foster a developer-friendly environment for future enhancements.
- Designed RESTful APIs with Spring Boot for secure client-server communication and efficient data processing.
- Integrated Spring Data JPA with MySQL for seamless data persistence and retrieval, and conducted testing and performance optimization to ensure high system reliability and scalability.

## TECHNICAL SKILLS

**Languages:** Java, SQL (Postgres, MySQL), MySQL, HTML/CSS, C, C++

**Frameworks:** React, JUnit

**Developer Tools:** Git, Docker, VS Code, Visual Studio, IntelliJ, Eclipse