

# Sami Ahmed KOLARKAR

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## Education

**Walchand Institute of Technology, Solapur**  
*Bachelor of Technology in Computer Science And Engineering*

**Aug. 2023 – May 2027**  
*Solapur, Maharashtra, India*

## Relevant Coursework

- |                    |                     |                               |                                     |
|--------------------|---------------------|-------------------------------|-------------------------------------|
| • Data Structures  | • Operating Systems | • Database Management Systems | • Design And Analysis of Algorithms |
| • Machine Learning | • Computer Networks |                               |                                     |

## Experience

### CodeAlpha

*Java Developer Intern | Hybrid*

**Dec 2025 – Jan 2026**

- Developed a **Student Grade Tracker** using Java collections to manage records and generate score summaries for 100+ student records.
- Built a **Stock Trading Simulation** using Java and OOP concepts with market display, user authentication, buy/sell actions, and portfolio tracking.
- Used PostgreSQL and JDBC with modular Java code to store and retrieve user, stock, and transaction data, improving reliability by ~25%.

### Codec Technologies

**Nov 2025 – Dec 2025**

*Java Developer Intern | Hybrid*

- Created an **Expense Tracker** using Spring Boot, Hibernate, REST APIs, and MySQL to log and categorize expenses.
- Developed an **Employee Management System** with Spring MVC and Hibernate supporting secure CRUD and role-based access.
- Applied layered architecture and ORM practices for clean backend flow and reducing query overhead by ~20%.

## Projects

### Hostel Management System | *Spring MVC, Hibernate, Frontend, MySQL*

**Dec 2025**

- Built a hostel admission and room allocation system with automated fee-receipt generation, **reducing** manual paperwork and minimizing allocation errors by ~40%.
- Automated** payment tracking, room updates, and year-end hostel reorganization, **improving** processing speed and operational efficiency by ~30%.
- Integrated** structured data handling and validation checks, **ensuring** accurate student information management for 100+ records.

### Daily Scheduler & JMS System | *Java, Spring , JMS, API, JSON, Cloud (AWS)*

**Jan 2026**

- Built a cloud scheduler that triggers a daily 10 PM job to call an AI API, **automating** routine data retrieval and processing.
- Implemented** a JMS producer-consumer flow to publish API results and deliver notifications, **enabling** reliable asynchronous communication.
- Integrated** scheduling, messaging, and API handling into a modular workflow, **reducing** manual effort by ~90%.

### Simplified Authentication Engine | *Java, Servlets, Session Management, Token-Based Auth*

**Nov 2025**

- Built a custom session- and token-based authentication system, **eliminating** JWT overhead and simplifying the authentication workflow.
- Improved** login security and session handling through structured token validation, **enhancing** overall system performance.
- Designed** modular authentication components that integrate easily with existing applications, **increasing** reusability and **reducing** implementation effort.

## Technical Skills

**Languages:** Java, Python, C, HTML, CSS, JavaScript, TypeScript, NoSQL : MongoDB , SQL : MySQL, PostgreSQL

**Developer Tools:** VS Code, Eclipse, Apache Netbeans, Docker, AWS, Postman

**Technologies/Frameworks:** Spring Framework, SpringBoot, Spring Security, JPA, Spring Microservices, ReactJS, Hibernate, Tailwind CSS, React Native, Ubuntu Linux

## Leadership / Extracurricular

- Leading member of implementing various measures to reduce long waiting lines at CNG Stations.
- Active member of CSI(Computer Society of India), LOL(Learn Out Louder) Club and ISTE(Indian Society for Technical Education)