NIKHIL SINGH

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EDUCATION

JSS Academy Of Technical Education   **Oct 2023 – June 2026**
B.Tech - CGPA - 8.21   *Noida, India*

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Backend Development
- OOPS Concept
- Operating Systems
- Database Management System (DBMS)
- Computer Networks

PROJECTS

ShopSphere 🔗 | Java, Spring Boot, Spring Security(JWT), MySQL, REST APIs   **May 2025**

- **ShopSphere** is a scalable **e-commerce platform** built with **Spring Boot** and **MySQL**, offering **secure user authentication**, dynamic **product management**, and seamless **order processing**.
- Integrated **RESTful APIs** for product listing, order management, and payment processing.
- Implemented **JWT-based authentication** for secure login and session management.
- Designed a real-time **product search and filtering** system for enhanced user navigation.
- Utilized **Spring Security** for **role-based access control** (**admin**, **seller**, **user**) and **data protection**.

SuiteSphere 🔗 | Java, Spring Boot, Spring Security(JWT), MySQL, REST APIs   **May 2025**

- **SuiteSphere** is a hotel booking and management platform that enables users to search rooms, make reservations, and complete payments while allowing admins to manage inventory and monitor bookings.
- Built a robust **backend system** using **Java, Spring Boot, MySQL, and Stripe**, with a focus on reliability, modular design, and production-grade architecture.
- Implemented **user authentication and role-based access control** using Spring Security and JWT, supporting both **Admin** and **Customer** roles.
- Integrated **room management, availability search, and real-time booking logic** with **email notifications** powered by JavaMailSender.
- Added secure **Stripe payment gateway integration** for dynamic pricing, payment intent handling, and confirmation tracking, including automated booking status updates.

COMPETITIVE PROGRAMMING / ACHIEVEMENTS

- **Pupil** on Codeforces (Max Rating: 1379)
- **3 Star** Rating on CodeChef (Max Rating: 1741)
- Secured a **global rank of 13** in CodeChef Starters 183 Contest
- Tackled **1500+ DSA problems** on Codeforces, LeetCode, CodeChef and GeeksforGeeks.
- Achieved **AIR 493** in the prestigious IICPC contest, competing among top programmers nationwide. 🔗

TECHNICAL SKILLS

Languages: Java, C, SQL

Developer Tools: IntelliJ IDEA, VS Code, Eclipse, Git & GitHub, Postman

Technologies/Frameworks: Spring Boot, Spring Security (JWT), REST APIs, MongoDB

CERTIFICATIONS

- Secured **Rank 26** in the AlgoUnlock Final Round at Advitiya'25 at IIT Ropar.
- Secured **Rank 14** in CODCOM, an ICPC-style team coding contest during Advitiya'25 at IIT Ropar.
- NPTEL Certification - Introduction to Programming in C, IIT Kanpur (Jan-Mar 2024)
- Spring Boot 3, Spring 6 & Hibernate - Udemy