

# Nilesh Seth

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## Education

**Delhi Technological University**, New Delhi – India

December 2020 – May 2024

- BTech in Computer Engineering, CGPA: **9.27/10.0**

**SR public senior secondary school**, Kota – India

April 2018 – March 2020

- Class 12th, Percentage: **95.4%**

## Technical/Soft Skills

**Languages:** C++, C, Java, Typescript

**Technologies/Skills:** Spring Boot, JPA, Hibernate, React, RESTful APIs, Git, GitHub, Postman, Thymeleaf, Microservices, MySQL, OAuth2, JWT, Node.js, HTML/CSS, Maven, Data Structures & Algorithms, Object-Oriented Programming, Operating systems, Database Management System, Computer Networks, Java based applications, strong coding, technical and problem-solving skills, communication, Leadership, Ownership, mentor, collaborate, software development lifecycle, Computer Networks, Java/ J2EE stack, System Design, Cloud platforms

## Experience

**Software Engineer**, Samsung – India

January 2024 - Present

- Developed and maintained **Java and C++** code for in-house applications, including drive of high impact architectural decisions, improved performance, reliability, and hands-on development, including design, architecture, development, documentation, testing and operations increasing code quality by 30%. Contributed to Spring database design using **Spring JPA and Repository**.
- Developed and deployed **5 RESTful APIs** using **Spring Boot** for IoT device management system, supporting real-time monitoring, status updates, and remote control for **500K+ devices**.
- Implemented **JWT-based authentication** with **Spring Security**, enforcing secure access control through token validation and role-based permissions and reducing unauthorized access incidents by **25%**.
- Conducted unit testing with **JUnit**, achieving **90%+ code coverage** and reducing bugs by **20%**.
- Automated **test case execution for API endpoints** using **Postman collections and JUnit**, reducing regression testing time by **40%**.
- Optimized database interactions using Spring Data **JPA and Hibernate** through indexing, batch processing, and caching strategies, and improving API response time by **30%**.
- Built **3 API endpoints** for a minor feature in an internal dashboard project gaining hands on experience with **Spring Boot, MySQL** and tools like **Postman**.
- Minimized memory leaks by **configuring proper Hibernate entity relationships** and enabling lazy loading.

## Projects

**SmartHire**

Github

- Job Portal Web Application using **Java, Spring Boot, Spring MVC, Thymeleaf, and MySQL**.

**BookHive**

Github

- Full Stack library management system using **Java, Spring Boot, MySQL, React and Typescript**.

## Achievements

- Published a **Scopus** Indexed research paper in Artificial Intelligence on Deepfake Detection.
- **Google Kickstart 2022 Round B Rank - 4061** out of **15K+** participants. (**Top 27% globally**).