

# SANKALP RAJ

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## Education

<b>Acharya Institute of Technology</b> <i>Bachelor of Engineering in Computer Science and Engineering</i>	2021 – 2025
<b>Kendriya Vidyalaya No.1 Pathankot</b> <i>Senior Secondary (Class XII)</i>	2019 - 2020
<b>Kendriya Vidyalaya AFS Samana</b> <i>Secondary (Class X)</i>	2017 - 2018

## Skills

- Languages:** Java, C++, C, Python, C#, SQL
- Frontend Technologies:** HTML, CSS, Bootstrap, JavaScript, React
- Backend Technologies:** Java, JDBC, Spring Boot, Spring MVC, Spring Security, Hibernate
- Database:** MySQL, MongoDB
- Tools & Platforms:** Maven, JUnit, Git, GitHub
- CS Fundamentals:** OOPs, DBMS, Operating Systems

## Projects

### Automatic Number Plate Recognition System | *Python, OpenCV, Tesseract OCR* |

- Implemented a real-time number plate detection system using OpenCV & Haar Cascades classifier. Handled real-time video input from a webcam to capture number plate.
- Integrated Optical Character Recognition (OCR) with Tesseract to extract license plate text.
- Matched recognized plate numbers with a predefined vehicle database to retrieve and display owner information.

### Book Management System | *Java, JSP, Servlet, Hibernate, MySQL, Bootstrap, Maven* |

- Built a full-stack web application for managing books with CRUD operations and search functionality.
- Implemented MVC architecture using Servlets (Controller), JSP + Bootstrap (View), and Hibernate (Model).
- Designed responsive UI with Bootstrap and dynamic JSP pages to display and manage books. Integrated MySQL database with Hibernate for seamless persistence and query execution.

### Hotel Management System | *Java, MySQL, SQL, JDBC* |

- Developed a console-based Hotel Management System enabling room reservation, updating, deletion, and retrieval using CRUD operations.
- Integrated Java with MySQL via JDBC API to store and manage guest details, contact info, and reservation data.
- Designed relational database schema and implemented SQL queries for data manipulation and retrieval.

## Certificates and Licenses

• SQL (Intermediate)	<a href="#">HackerRank</a> (Aug 2025)
• Getting Started with Git and GitHub	<a href="#">Coursera</a> (Feb 2024-Mar 2024)
• Introduction to HTML, CSS, JavaScript	<a href="#">Coursera</a> (Feb 2024-Mar 2024)
• Java Certification Course	<a href="#">IntelliPaat Academy</a> (Jul 2024)

Declaration: I hereby affirm that all the information above is true and accurate to the best of my knowledge.