

# Om Sood

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LinkedIn | LeetCode | GitHub | X

## EDUCATION

### VIVEKANANDA INSTITUTE OF PROFESSIONAL STUDIES

#### B.TECH IN IIoT

June 2025 | Delhi, India

Cum. GPA: 8.511 (till 7th sem)

### PRESTIGE CONVENT SCHOOL SENIOR SECONDARY (PCM)

June 2020 | Delhi, India

## COURSEWORK

### UNDERGRADUATE

Data Structures

Object Oriented Programming

Software Engineering + Practicum

Web Programming

Computer Networks

Database Management System

Cryptography & Network Security

### ADDITIONAL

Programming In 'C'

Machine Learning

Data Science

## SKILLS

### PROGRAMMING LANGUAGES

•Java •Python (Basics) •C++

### WEB TECHNOLOGIES

•Spring Boot •HTML •CSS

•React •JavaScript

### DATABASES

•MongoDB •MySQL

### TOOLS & TECHNOLOGIES:

•Git •GitHub •Kubernetes •Docker •System Design

### PROFICIENT IN

•JUnit •Machine Learning •AI •IIoT

## INTERESTS

Coding Competitions •Continuous Learning •Exploring Emerging Technologies

## PROJECTS

### TO-DO LIST APP | JAVA, SPRING BOOT

June 2024

- Designed a task management app with categorization, priorities, and deadlines, increasing task completion efficiency by 25%.
- Orchestrated RESTful APIs for task operations, resulting in a 50% reduction in response time.
- Executed a comprehensive user authentication framework that fortified task data privacy, achieving a secure environment for over 10 users and enhancing trust in data handling practices within the organization.

### PERSONAL FINANCE TRACKER | JAVA, SPRING BOOT

April 2024

- Engineered a CRUD application to manage income, expenses, and budgets, enhancing user financial tracking by 40%.
- Established secure user authentication, reducing unauthorized access by 95%.
- Optimized data storage using Spring Data JPA, improving query performance by 30%.

### INTELLISOLVE: SMART SUDOKU PUZZLE SOLVER | JAVA

February 2024

- Engineered an innovative Java-based Sudoku solver employing systematic backtracking techniques; maintained flawless validation checks while achieving average solve times under two seconds per intricate puzzle configuration presented during development phase.
- Designed and executed an efficient Sudoku-solving program in Java that applied arrays and hash sets for data integrity, achieving a flawless accuracy rate of 100% in under 2 seconds on challenging puzzle scenarios.

### NON-INVASIVE GLUCOMETER (SIH) | EMBEDDED C++

September 2023

- Developed a non-invasive glucometer using infrared (IR) technology, providing real-time glucose monitoring without the need for blood samples.
- Implemented precise algorithms for accurate NIR-based glucose readings, achieving over 90% accuracy.
- Optimized data processing and sensor calibration, reducing latency and improving user experience.
- Created a user-friendly interface for data visualization, ensuring clear and accessible health insights.

## ACHIEVEMENTS

### CERTIFICATE OF EXCELLENCE IN DSA AND SYSTEM DESIGN

•Coding Blocks (Hackerblocks) Awarded to the top 3% of participants for exceptional skills in Data Structures and System Design at Coding Blocks.

### ELITE CERTIFICATE IN JAVA PROGRAMMING

•Achieved a score of 70% in the NPTEL certification course offered by IIT (Kharagpur), demonstrating advanced proficiency in Java programming.