

Om Sood

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[LinkedIn](#) | [LeetCode](#) | [GitHub](#) | [X](#)

EDUCATION

Vivekananda Institute of Professional Studies

B.TECH IN INTERNET OF THINGS

Delhi, India | May 2025

CGPA: 8.66

Prestige Convent School

SENIOR SECONDARY (PCM)

Delhi, India | April 2020

COURSEWORK

Core CS: Data Structures, Design and Analysis of Algorithms, Object Oriented Programming, DBMS, Computer Networks, Software Engineering, Computer Organization & Architecture, Cryptography & Network Security.

AI / Data & IoT: Data Science, Principles of Artificial Intelligence, Machine Learning.

TECHNICAL PROJECTS

FUSION2048 | JAVA, SPRING BOOT, REACT

- Developed a 2048 game from scratch in Java with over **95% test coverage**, implementing core mechanics including tile fusion, scoring, win/loss logic, and keyboard input.
- Transformed the desktop version into a responsive web application using **Spring Boot + React**, reducing game load time by **30%** and improving cross-device UX.
- Integrated undo functionality and **localStorage-based high score tracking**, increasing user engagement by **40%** during testing.

INTELLISOLVE: SMART SUDOKU PUZZLE SOLVER | JAVA, ECLIPSE

- Engineered a Java-based Sudoku solver using systematic backtracking; maintained validation checks while achieving average solve times under **2 seconds** per puzzle during development testing.
- Implemented efficient board validation using **arrays and HashSet**, ensuring **100% accuracy** while solving challenging Sudoku configurations in under **2 seconds**.

PERSONAL FINANCE TRACKER | JAVA, SPRING BOOT

- Engineered a CRUD-based finance tracking application to manage income, expenses, and budgets, improving personal financial tracking by **40%**.
- Implemented secure user authentication and authorization, reducing unauthorized access by **95%**.
- Optimized persistence and querying using **Spring Data JPA**, improving query performance by **30%**.

SKILLS

Programming Languages: Java, C++

Web Development: SpringBoot, JavaScript, React, HTML, CSS

Databases & Cloud: MongoDB, MySQL

Development & Testing: Git/GitHub, Docker, CI/CD, JUnit

Specialized Skills: Artificial Intelligence, Machine Learning, IoT, System Design

ACHIEVEMENTS

- Excellence in Data Structures and Algorithms** – Coding Blocks
Awarded to the top **3%** of participants for exceptional skills in Data Structures and System Design.
- Elite Certificate in Java Programming** – NPTEL (IIT Kharagpur)
Achieved a score of **70%** in the NPTEL certification course, demonstrating strong proficiency in Java programming.

TECHNICAL INTERESTS

•Competitive Programming •Backend Development • System Design • Distributed Systems