

ADITYA SINGH

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Professional Summary

Java Full Stack Developer with hands-on experience in building responsive web applications. Skilled in Java, Spring Boot, HTML, CSS, JavaScript, SQL, and Git/GitHub. Strong understanding of full-stack development, RESTful APIs, and database management. Passionate about writing clean, maintainable code and delivering efficient solutions.

Technical Skills

Programming Languages: Java, JavaScript, SQL, HTML5, CSS3

Frontend Technologies: React.js, Bootstrap, Tailwind CSS

Backend Technologies: Spring Boot, Hibernate

Databases: SQL, Oracle

Tools & Frameworks: Git & Github, IntelliJ IDEA, VS Code, Eclipse

Projects

Shape Based Game | Java, OOP, Swing/JavaFX

- Designed interactive educational game for students (grades 6-12) to learn 2D and 3D geometric shapes through gamified interaction
- Implemented OOP principles including inheritance, polymorphism, and interface-based design to create extensible shape hierarchies
- Developed has-a relationships and employed upcasting for unified shape handling across the game engine

Weapon Based Game | Java, OOP, Design Patterns

- Developed interactive game demonstrating advanced OOP concepts through weapon mechanics and combat systems
- Implemented inheritance hierarchies for weapon types with polymorphic behavior and method overloading for attack scenarios
- Designed has-a relationships between game entities for realistic inventory management and flexible weapon selection

Solar System Explorer | HTML, CSS, JavaScript

- Created interactive web-based visualization of the solar system featuring all eight planets with their major moons
- Designed responsive UI with CSS animations to simulate planetary orbits with interactive slider control for navigation
- Developed information panels displaying planetary characteristics including size, distance, orbital period, and notable moons

Certifications

Java Full Stack Developer: JSpider – QSpiders, Noida

Oracle Certified Professional: Generative AI Professional – Oracle

SQL and Relational Databases 101 – IBM

Introduction to Generative AI – Google Cloud

Oracle Certified Professional: AI Foundations Associate – Oracle

Education

Bachelor of Technology in Computer Science Engineering

Kamla Nehru Institute of Physical & Social Sciences, AKTU

Nov 2022 – Jun 2026

Faridpur, Sultanpur, UP

2021

Senior Secondary (XII) - Mathematics

Surya Academy Public School, CBSE

Amhat, Sultanpur, UP

2019

Secondary (X) - Science

Surya Academy Public School, CBSE

Amhat, Sultanpur, UP

Declaration

I hereby declare that the above-mentioned information is correct to the best of my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Place: Delhi

Date: _____

(Aditya Singh)