

# SHIVAM SINGH

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[in](#) LinkedIn [GitHub](#) [🔗 Portfolio](#)

## Summary

Information Technology graduate with a strong foundation in software development and proven technical proficiency. Demonstrated problem-solving and analytical skills through academic projects, seeking a challenging opportunity to apply my expertise and contribute to a dynamic organization that fosters continuous learning and innovative solutions.

## Technical Skills

**Languages:** Java, C, C++, HTML, CSS, JavaScript, SQL, Python.

**Technologies/Frameworks:** React.js, Tailwind CSS, Spring Boot, Visual Studio, Git, GitHub, IntelliJ IDEA, MySQL Workbench.

**Database:** MySQL.

**Core Competencies:** Data Structure and Algorithms, Problem Solving, Web Development, Object Oriented Programming, Technical Design, Software Development, Frontend & Backend Development, RESTful APIs Development, AI Assistance & Prompt Engineering.

## Projects

### Hospital Management System

[Code ↗](#)

- Engineered a comprehensive Java-based system to streamline patient registrations, doctor information, and appointment scheduling.
- Implemented patient and doctor management modules, including functionalities for creating or viewing records and booking appointments.
- Integrated MySQL to manage a relational database schema for storing patient, doctor, and appointment data efficiently.
- Tools Used: Java, MySQL

### Gesture Control Light System

[Code ↗](#)

- Designed a hand gesture-based control system using Python, OpenCV, and MediaPipe to enable touchless light control.
- Implemented real-time hand tracking to recognize and differentiate left- and right-hand gestures.
- Enabled dynamic control of lights, adjusting brightness, and changing colours based on hand gestures.
- Tools Used: Python

## Education

### Greater Noida Institute of Technology

Greater Noida, UP

Bachelor of Technology — GPA: 7.29

Aug 2022 – Sept 2025

**Coursework:** Data Structure, Operating System, Databases, Object Oriented Programming, Networking.

## Achievements

- Earned **Master, Achiever, and Specialist** badges on **Code360**, reflecting consistent performance in problem-solving and core concepts.
- Achieved the **SQL 50** Badge on **LeetCode**, demonstrating proficiency in SQL and query optimization.
- Certified in **C** and **C++** through **Infosys Springboard**, showcasing strong understanding of programming fundamentals.
- **Solved 500+** Algorithmic problems on various online platforms and judges.

## Profile Links

[LeetCode ↗](#)

[HackerRank ↗](#)

[Code360 ↗](#)