

# SAHIL

🌐 LinkedIn: [www.linkedin.com/in/sahil-singh2006](https://www.linkedin.com/in/sahil-singh2006)

🐙 GitHub: <https://github.com/SahilSingh802>

✉ Email: [sahilbhai1875@gmail.com](mailto:sahilbhai1875@gmail.com)

📞 Mobile: +91-9817509595

## SKILLS

- **Programming Languages:** HTML, C/C++, SQL, PYTHON, JAVASCRIPT, JAVA
- **Frameworks & Libraries:** Node.js, Express.js, PostgreSQL, React.js
- **Databases:** MongoDB, MySQL, PostgreSQL
- **Developer Tools:** Git, GitHub, VS Code, Postman
- **Non-Technical Skills:** Communication, Teamwork, Problem-solving, Adaptability, Time management, Strategic Planning.

## PROJECTS

### Exam Invigilation Duty Planner (C++ | Graph Theory | STL) [Link](#)

JUNE 2025 – AUGUST 2025

- **Designed & implemented** a graph-coloring-based scheduler ensuring 100% conflict-free invigilator allocation across 120+ exams.
- **Optimized** greedy coloring logic using STL, reducing scheduling time by 65% and improving load balance by 40%.
- **Architected** the system using modular C++ components to support scalable deployment for 500+ exams.
- **Built** modular, scalable components capable of handling 500+ exam nodes efficiently.

### Clinic Management System (PHP | MySQL | Tailwind CSS) [Link](#)

FEBRUARAY 2025 – APRIL 2025

- **Built** a secure web system managing 300+ patient records, appointments, billing, and prescriptions.
- **Implemented** hashed authentication & optimized SQL queries, improving security by ~80% and response time by 45%.
- **Developed** a responsive UI (Lighthouse 98% score) and a calendar-based scheduling module handling 50+ daily booking.
- **Integrated** billing, prescriptions, & lab-results workflows, reducing manual paperwork by up to 60%.
- **Designed** a fully responsive UI with Tailwind CSS achieving 98% mobile responsiveness score (Lighthouse audit).

## CERTIFICATES

- **Quantitative Research Job Simulation** – J.P. Morgan (Forage) | [Link](#) October 2025
- **Introduction to Front-End Development** – Meta | [Link](#) September 2025
- **OCI AI Foundations Associate** – Oracle | [Link](#) July 2025
- **Python Programming** – Microsoft / Skill India | [Link](#) June 2025

## ACHIEVEMENTS

- Accomplished FreeCodeCamp Certified Developer
- Clinched the Silver Badge and 5 Star Rating in C++ on Hacker Rank by vanquishing advanced algorithmic challenges.
- Earned Novice and Star badges on HackerEarth.

## EDUCATION

- **Lovely Professional University** Phagwara, Punjab  
Bachelor of Technology - Computer Science and Engineering  
CGPA: 7.4 Since August 2023
- **D C Model Senior Secondary School** Ambala, Haryana  
Intermediate April 2021 – March 2023  
Percentage: 79