

SAHIL

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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](#)

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