Ribhav Singla

9815653691 | ribhavsingla2166@gmail.com

LinkedIn | LeetCode | GitHub | Portfolio

EDUCATION

Panjab University   CGPA: 9.27
Bachelor of Engineering in Computer Science and Engineering (ongoing)   *Nov. 2022 – May 2026(exp.)*

TECHNICAL SKILLS

Subjects: OOPS, Data Structures, Algorithms, OS, DBMS, Computer Networks
Languages: C++, Python, JavaScript, TypeScript, SQL, HTML & CSS
Libraries/Frameworks: React, Node.js, Express, Pandas, NumPy, Matplotlib
Tools/Databases: Git, Postman, MongoDB, MySQL, PostgreSQL, Docker, AWS

EXPERIENCE

Full Stack Web Developer Intern   Mohali, India
Esferasoft Solutions Pvt. Ltd.   *June. 2024 – July 2024*

- Engineered a **device management system** to solve the real-life problem of tracking devices.
- Executed the rollout of a **real-time admin console** for managing devices, employees and monitor live users reducing administrative workload by 80%.
- Designed a user dashboard to view available devices in real time, book and return devices, access their borrowing history leading to a 90% improvement in user experience and engagement.

PROJECTS

CPU Scheduling Visualizer | GitHub   C++, DSA, Framer Motion, Next.js

- Developed a visual tool to simulate over 6 CPU scheduling algorithms, including **FCFS**, **Shortest Job First** (SJF) (Preemptive and Non-preemptive), **Priority Scheduling** (Preemptive and Non-preemptive), and **Round Robin**.
- The tool features an interactive interface that dynamically displays Gantt Charts for each CPU scheduling algorithm, along with a comparative graph of average waiting and turnaround times, enabling users to analyze performance differences.

Event Management Platform | GitHub   React, Node.js, Express.js, Socket.io

- Developed and deployed EventHub, an interactive event management platform on **AWS**, supporting 10+ events with features like event creation, **real-time chat**, ticket booking, an **analytics dashboard** with interactive charts, and an AI-powered **interactive comment section** for event discussions.
- Implemented PostgreSQL for database management, used **Docker** for containerization—reducing setup time by 40% and managed database transaction concurrency.
- Created a dynamic UI/UX with interactive charts and sent daily event notifications to newsletter subscribers.

ACHIEVEMENTS

- Solved over 900+ problems on LeetCode, primarily in C++ and SQL.
- Ranked 2139 in Weekly Contest 422 on LeetCode, with a current max rating of 1696.
- Represented Chandigarh in the final round of the Viksit Bharat Young Leaders Dialogue 2025.
- Achieved semi-finalist position in TechGig Code Gladiators 2024.