

Ribhav Singla

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[LinkedIn](#) | [LeetCode](#) | [GitHub](#) | [Portfolio](#)

EXPERIENCE

Full Stack 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 used by iOS, Android, Flutter, and React Native developers.
- 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.
- Achieved seamless user interactions and robust data management, resulting in a 95% reduction in device tracking errors and more efficient management for development teams.

EDUCATION

Panjab University

CGPA: 9.17

Bachelor of Engineering in Computer Science and Engineering (ongoing)

Nov. 2022 – May 2026(exp.)

ACHIEVEMENTS

- Achieved semi-finalist position in TechGig Code Gladiators 2024.
- Obtained the Develop GenAI Apps with Gemini and Streamlit badge from Google Cloud.
- Earned Prompt Design in Vertex AI Skill badge issued by Google Cloud.
- Obtained Enterprise Design Thinking Practitioner badge issued by IBM.
- Solved 700 problems on LeetCode.
- Acquired the 100 Days Coding badge in 2024, achieving the same top 4.2% ranking.
- Received the 100 Days Coding badge in 2023, placing in the top 4.2% of all LeetCode users.

PROJECTS

CPU Scheduling Visualizer | [GitHub](#)

C++, DSA, Framer Motion, Next.js

- Developed a visual tool to simulate various CPU scheduling algorithms, including **FCFS**, **Shortest Job First (SJF)** (Preemptive and Non-preemptive), **Priority Scheduling** (Preemptive and Non-preemptive), and **Round Robin**.
- Designed an interactive interface that dynamically displays the Gantt Chart for each algorithm, helping users visualize process execution and CPU time allocation.

[TicketFusion](#) | [GitHub](#)

React, Hono, Prisma, PostgreSQL, JWT, Recoil, Firebase, Tailwind

- Developed event management platform with 5+ functionalities including filter search and sharing event details on WhatsApp, resulting in a 30% increase in user engagement.
- Users can easily create, edit, and delete events. Keep track of registrations and manage events seamlessly.
- Managed **concurrency** in the database, ensuring accurate handling of the last ticket available, improving ticket management accuracy by 90%.
- Enforced **debouncing** to reduce multiple calls to the server, improving server response time by 20%.
- Designed and implemented the **Data Export** feature, allowing users to download manage events and purchase data in CSV format, used by 75% of users for reporting.

TECHNICAL SKILLS

Subjects: Data Structures, Algorithms, OOPS, OS, DBMS

Languages: C/C++, JavaScript, TypeScript, HTML/CSS, SQL

Libraries/Frameworks: Next.js, React, Node.js, Express, Redux, Recoil, Hono, Material-UI, Tailwind, Bootstrap

Tools/Platforms/Databases: Prisma, Git, GitHub, VS Code, Linux (Fedora), MongoDB, PostgreSQL