

# Gursirat Singh

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## SKILLS

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**Languages:** Java, C++, Python, JavaScript, TypeScript

**Web Development / Frameworks:** React.js, Next.js, Node.js, Express, Tailwind CSS, Bootstrap, REST APIs, JWT Authentication

**Tools/Platforms:** MongoDB, MySQL, Version Control (Git), GitHub, VS Code, Vercel/v0

**Soft Skills:** Strategic Troubleshooter, Process-Oriented, Performance-Driven, Collaborative Leader

## INTERNSHIP

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**HEXAIND TECHNOLOGIES — FULL STACK INTERN** | React, Node.js, Express, MongoDB, Nodemailer | [Certificate](#) Jun 2025 - Jul 2025

- Built a full-stack reminder and e-card automation system with email and SMS notifications, supporting scheduled sends via cron jobs and achieving ~88% successful message delivery.
- Improved frontend and backend performance by reducing unnecessary React re-renders and adding MongoDB indexes, resulting in ~15–20% faster UI interactions and ~20–25% quicker API response times.
- Stabilized the application to handle ~1.3x normal traffic load during peak usage and supported weekly feature updates with <6% regression issues through testing and iterative fixes.

## PROJECTS

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**CELEBRATE (EVENT REMINDER APPLICATION)** | Next.Js ,TypeScript, MongoDB , Tailwind CSS| [Github](#)

Since Nov 2025

- Built a full-stack event reminder application using React, Node.js, Express, and MongoDB to centralize management of personal events such as birthdays and anniversaries.
- Implemented event creation, update, and scheduling workflows with automated reminders, supporting 100+ events during testing.
- Delivered a stable functional baseline for automated notifications, enabling future enhancements such as additional channels and performance optimizations.

**INNO PULSE (INDIAN STARTUPS DASHBOARD)** | Next.Js ,TypeScript, MongoDB , Tailwind CSS| [GitHub](#)

Oct 2025 – Dec 2025

- Designed a data-curated startup discovery platform using Next.js, React, and MongoDB, emphasizing data integrity, discoverability, and trust signals across the user experience.
- Integrated an admin-mediated verification pipeline and query-driven UI patterns, enabling real-time search, faceted filtering, and operational dashboards.
- Improved startup evaluation workflows by ~35–40% through interaction latency reduction, information density optimization, and UX-focused data presentation.

**SiraStay (Room Booking Platform)** | EJS, CSS, Node.js, Express, MongoDB| [GitHub](#) | [Website](#)

Jan 2025 - Apr 2025

- Developed an end-to-end property listing and booking platform using Node.js, Express, and MongoDB, supporting user authentication, listing management, and booking workflows.
- Incorporated secure authentication, full CRUD operations, and media upload pipelines for property images to enable consistent listing management.
- Validated platform stability with 10+ active listings and 20–50 test users, maintaining predictable response times and smooth navigation during testing.

## TRAINING

### Cipher Schools (Data Structures and Algorithms using Java) | [Certificate](#)

Jul 2025

- Covered core DSA structures including Arrays, Linked Lists, Stacks, Queues, Trees, Heaps, Hashing, and Priority Queues, solving **150+ problems** across these topics.
- Applied time-space complexity analysis and common algorithmic patterns (Sliding Window, Two Pointers, Greedy, Backtracking, Binary Search on Answer) to optimize solutions and improve runtime efficiency.
- Strengthened problem-solving consistency by using memoization, iterative refactoring, and boundary-case analysis, reducing debugging time and improving solution planning.

## CERTIFICATES

Cloud Computing | Nptel | [Certificate](#)

Oct 2025

Full Stack Development | Apna College | [Certificate](#)

Feb 2025

Basic Python towards ML/AI | CSE Pathshala | [Certificate](#)

Mar 2024

Responsive Web Design | freeCodeCamp | [Certificate](#)

Dec 2023

## ACHIEVEMENTS

- Solved 150+ problems across LeetCode, CodeForces, and CodeChef, developing reliable Strategic thinking depth across core DSA domains.
- Qualified for the Adobe India Hackathon in Development Phase through online MCQ assessment and coding round for shortlisting.
- Cleared Round 1 of Binary Blitz (LPU) by building a functional web prototype under time constraints.
- Strengthened competitive capability in recursion, DP, graphs, and greedy techniques through structured practice.
- Improved contest performance consistency with weekly participation and deliberate post-contest analysis.

## EXTRA-CURRICULAR ACTIVITIES

- Attended 5+ MERN workshops and full-stack sessions at LPU, gaining hands-on experience with modern JavaScript workflows.
- Participated in 5+ technical talks on cloud computing, debugging, and scalable backend design.
- Joined 3+ hackathon prep meets and coding clubs, improving collaborative Troubleshooting and rapid prototyping.
- Completed 20–25 problems/month through peer coding groups, improving contest readiness and consistency.

## EDUCATION

### Lovely Professional University

Phagwara, Punjab

Bachelor of Technology

Since Aug 2023

Computer Science and Engineering; CGPA: 7.72

### Swami Sant Dass Public School

Jalandhar, Punjab

Intermediate

Mar 2022 – May 2023

PCM; Percentage: 83%

### Swami Sant Dass Public School

Jalandhar, Punjab

Matriculation

Mar 2020 – May 2021

Percentage: 70%