

# Gursirat Singh

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## SKILLS

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

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

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.

INNOPULSE (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

<b>Cipher Schools</b> (Data Structures and Algorithms using Java)   <a href="#">Certificate</a>	Jul 2025
<ul style="list-style-type: none"><li>Covered core DSA structures including Arrays, Linked Lists, Stacks, Queues, Trees, Heaps, Hashing, and Priority Queues, solving <b>150+ problems</b> across these topics.</li><li>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.</li><li>Strengthened problem-solving consistency by using memoization, iterative refactoring, and boundary-case analysis, reducing debugging time and improving solution planning.</li></ul>	

CERTIFICATES

Cloud Computing   Nptel   <a href="#">Certificate</a>	Oct 2025
Full Stack Development   Apna College   <a href="#">Certificate</a>	Feb 2025
Basic Python towards ML/AI   CSE Pathshala   <a href="#">Certificate</a>	Mar 2024
Responsive Web Design   freeCodeCamp   <a href="#">Certificate</a>	Dec 2023

ACHIEVEMENTS

<ul style="list-style-type: none"><li>Solved 150+ problems across LeetCode, CodeForces, and CodeChef, developing reliable Strategic thinking depth across core DSA domains.</li><li>Qualified for the Adobe India Hackathon in Development Phase through online MCQ assessment and coding round for shortlisting.</li><li>Cleared Round 1 of Binary Blitz (LPU) by building a functional web prototype under time constraints.</li><li>Strengthened competitive capability in recursion, DP, graphs, and greedy techniques through structured practice.</li><li>Improved contest performance consistency with weekly participation and deliberate post-contest analysis.</li></ul>	
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EXTRA-CURRICULAR ACTIVITIES

<ul style="list-style-type: none"><li>Attended 5+ MERN workshops and full-stack sessions at LPU, gaining hands-on experience with modern JavaScript workflows.</li><li>Participated in 5+ technical talks on cloud computing, debugging, and scalable backend design.</li><li>Joined 3+ hackathon prep meets and coding clubs, improving collaborative Troubleshooting and rapid prototyping.</li><li>Completed 20–25 problems/month through peer coding groups, improving contest readiness and consistency.</li></ul>	
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EDUCATION

<b>Lovely Professional University</b>	Phagwara, Punjab
Bachelor of Technology	Since Aug 2023
Computer Science and Engineering; CGPA: 7.72	
<b>Swami Sant Dass Public School</b>	Jalandhar, Punjab
Intermediate	Mar 2022 – May 2023
PCM; Percentage: 83%	
<b>Swami Sant Dass Public School</b>	Jalandhar, Punjab
Matriculation	Mar 2020 – May 2021
Percentage: 70%	