

Shivansh Singh

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EXPERIENCE

- Software Engineering at Emergent.sh** 01/2025 – Present
Bengaluru, India
- Contributed to agent CLI and plugin architecture improvements, automated deployment workflows, and built debugging utilities for agentic systems. Worked on Kubernetes and Minikube debugging, optimized plugin tracing, and enhanced memory profiling pipelines for scalable agent orchestration.
- Software Engineering Intern at Conversation Bots** 06/2024 – 08/2024
Bengaluru, India
- Developed a browser extension and backend system for personalized X.com feeds using Node.js and Chroma Vector DB. Implemented customizable content filtering and deployed the application on AWS EC2 Server.
- Project Intern at Scaler School of Technology Innovation Lab** 03/2024 – 08/2024
Bengaluru, India
- Engineered a Selective Forwarding Unit (SFU) server leveraging WebRTC and Mediasoup, dramatically optimizing bandwidth efficiency. Implemented low-latency real-time connections using Socket technology, significantly enhancing the responsiveness and quality of learning experiences.

PROJECTS

- Chess Game** [🔗](#) : JavaScript (OOPS Implementation) 01/2024
- Developed a fully functional chess game using object-oriented principles in JavaScript. Implemented game logic, move validation, and intuitive UI. Features include move history and game state persistence.
- Competitive Programming Student Tracker** [🔗](#) : MERN Stack, Serverless Architecture 09/2024
- Built a full-stack web app with React frontend and Node.js backend to track CP progress. Implemented serverless architecture, admin dashboard, leaderboard, and offline-first approach. Used MongoDB, secure auth, and responsive UI with dark theme. Actively used by Scaler School of Technology.
- Seating Arrangement System** [🔗](#) : Node.js, React 02/2024
- Created a system to optimize seating for new sessions, facilitating class icebreaking. Developed arrangement algorithm and user-friendly interface. Implemented real-time updates and responsive design for seamless use across devices.

ACHIEVEMENTS

2x ICPC Regionalist (2023, 2024): All India Rank: 75 (2024). [🔗](#)
Expert @Codeforces: Max Rating: 1690. [🔗](#)
LeetCode: Rating: 2175 (GUARDIAN, 900+ solved). [🔗](#)
CodeChef Starters: Global Rank: 82 in START151. [🔗](#)
CodeForces Contest 937: World Rank: 66. [🔗](#)

EDUCATION

- Scaler School Of Technology** 07/2023 – 07/2027
Bachelor + Masters of Science in Computer Science (CGR: 8.14)
Bengaluru, India
- Birla Institute Of Technology And Science** 07/2023 – 07/2026
Bachelor of Science in Computer Science (CGPA: 8.11)