

HARIOM SINGH

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Technical Skills

Languages: C++, JavaScript, TypeScript, Python, SQL
Frontend: React.js, Tailwind CSS, HTML5, CSS3, Shadcn UI
Backend: Node.js, Express.js, REST APIs
State Management: Redux Toolkit, Zustand, Context API
Databases: MongoDB, MySQL
DevOps / Deployment: Git, GitHub, Render, Netlify, Postman, Multer, Cloudinary, Stripe
Computer Science: Data Structures & Algorithms (C++), OOP, DBMS, OS, CN

Experience

Techpyro

May 2023 – Jul 2023

Web Developer Intern

- Developed responsive MERN apps, improving load times by 30%.
- Launched features that boosted user retention by 25%.
- Collaborated on full-stack deployment with 100+ users.

Projects

E-learning Platform | *MERN, Redux Toolkit, Stripe, Cloudinary*

- Built full-stack LMS with role-based JWT authentication and protected routing.
- Developed admin panel for real-time course CRUD and dashboard publishing.
- Integrated Stripe API and webhooks for secure payment flow and dynamic course access.
- Reduced media storage costs by 30% using Multer and Cloudinary optimization.

Real-time Chat App | *MERN, Socket.io, Zustand*

- Developed chat app with live messaging, user presence, and typing indicators using Socket.io.
- Implemented JWT-based secure login with Zustand state management for smoother UI sync.
- Achieved 99.9% uptime with cross-device responsiveness tested on 10+ platforms.

Portfolio Website | *React, Tailwind CSS, Netlify*

- Designed personal portfolio with light/dark mode, SEO optimization, and contact integration.
- Deployed on Netlify with custom domain; linked 6+ social platforms and GitHub projects.

Positions of Responsibility

Communicode — Head

Sep 2022 – Jan 2023

- Led 10+ tech/gaming events with 150+ participants.
- Launched monthly DSA contests, boosting club activity.

JNANAGNI Techfest — Core Member

Nov 2023

- Organized 10+ technical events for 500+ students.
- Managed logistics and volunteer teams.

Academic & Extracurricular Achievements

All India Rank 84 in NSTSE | Qualified NTSE Stage 1 | 83% in TCS NQT | Represented college at IBM CSR Annual Event 2024.

Certifications

Cloud Computing Fundamentals — IBM SkillsBuild

Machine Learning Methods and Tools — IBM

Education

Gurukul Kangri Vishwavidyalaya, Haridwar, India

2021 – 2025

B.Tech in Computer Science and Engineering — CGPA: 8.08