

# Hariom Yadav

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## EDUCATION

**Vellore Institute of Technology**  
B.Tech, Computer Science and Engineering

Oct 2022 – July 2026  
**CGPA: 8.71**

## TECHNICAL SKILLS

**Languages:** C++, JavaScript, SQL

**Frontend:** HTML, CSS, React, Tailwind CSS

**Tools:** Git, GitHub, VS Code, Vercel

**Databases:** MongoDB, PostgreSQL

**Backend:** Node.js, Express.js, Socket.IO, REST APIs

**APIs & Services:** OpenAI, Gemini API, Clerk

## PROJECTS

### QuickAi – AI-Powered SaaS Content & Image Generation Platform

[Live]

*PERN Stack, OpenAI API, Gemini 2.0-Flash, Clerk Auth, Razorpay*

- Developed full-stack **AI SaaS platform** with PERN stack (React 19, Express 5, PostgreSQL, Node.js) featuring 5 **AI tools**: DALL-E image generation, background/object removal, article writing, and blog title generation with real-time processing.
- Implemented enterprise-grade architecture with Clerk authentication, Cloudinary media handling, OpenAI API integration, and RESTful API serving 10+ endpoints across AI/user/community features with **Lighthouse score 95+**.
- Deployed scalable monorepo to **Vercel+Neon** with responsive Tailwind UI, Vite optimization, and production-ready security (CORS, secure file uploads) supporting community sharing for 1000+ creations.

### Smiley – Real-Time Chat Application

[Live]

*MongoDB, Express.js, React.js, Node.js, Socket.IO*

- Developed full-stack **real-time messaging SaaS** with **MERN + Socket.IO**, enabling instant private/group chats with optimized MongoDB schema.
- Implemented **enterprise-grade security** with **JWT authentication**, bcrypt hashing, and authorization middleware for secure message delivery.
- Deployed **scalable** architecture on **Vercel + MongoDB Atlas** with Socket.IO rooms for 1000+ concurrent connections.

### Quick-Quiz – Interactive Quiz Application

[Live]

*HTML5, CSS3, JavaScript, DOM Manipulation*

- Developed a dynamic quiz engine using **Vanilla JavaScript** and **Fetch API** to load and filter 100+ questions from JSON while maintaining smooth state management.
- Designed an engaging UI using **Web Audio API** and custom **CSS animations** for real-time user feedback.
- Enabled score persistence via **localStorage** and ensured full responsiveness across all devices.

## CERTIFICATIONS

- **Oracle Cloud Infrastructure Foundations** — Oracle University (Oct 2025), Score: 95 [Credential]

## ACHIEVEMENTS

- Solved **260+** DSA problems on LeetCode, GeeksforGeeks; frequent contest participant.
- **Top 1,860/14,000+** teams (52,000+ participants) — Amazon HackOn Hackathon, 2025.

## EXTRA-CURRICULAR

- U14 Bangalore Team, Zonal Cricket Tournament (2017–18) — Demonstrated teamwork, commitment, and discipline.