

# ISHANK SINGHAL

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## EDUCATION

Vellore Institute of Technology, Bhopal

June 2025

Bachelor of Technology in Computer Science | Current CGPA: 7.66

## CERTIFICATIONS

- Cloud Computing, NPTEL SWAYAM (IIT Kharagpur)

April 2024

## TECHNICAL SKILLS

Languages

HTML5, CSS, JavaScript, C++

Frameworks & Libraries

ReactJS, Socket.IO, NodeJS, ExpressJs, MongoDB,

## PROJECTS

VibeWire - Real-Time ChatApp

June 2024

*Developed a robust real-time messaging application that enables users to communicate through direct messages and group channels.*

- Tech-Stack:** ReactJs, Node.js, Express.js, MongoDB, Socket.IO, JWT
- Developed** a secure authentication system using JWT, ensuring user data protection and access control, with a 99.9% authentication success rate.
- Facilitated** real-time messaging capabilities with WebSocket integration, achieving message delivery in under 200 milliseconds.
- Architected** a scalable database schema with MongoDB, enabling efficient management of over 1000 messages and 100 channels, while supporting up to 50 simultaneous channels without performance degradation..
- Optimized** the user interface for seamless navigation and user experience, contributing to a 30% decrease in reported navigation issues.
- Open Source Contribution:** Released as a community-driven open-source initiative on [Github](#).

LogoIstic

October 2023

*Web-Based Logo Customization Application with real-time preview functionality.*

- Technology Stack:** Developed using React, Vite, Tailwind CSS, and shadCN library for enhanced UI/UX components.
- Customization Features:** Implemented features for selecting from 100+ icons, adjusting size, rotation ( $\pm 180^\circ$ ), and color, with customizable backgrounds.
- Performance Impact:** Optimized the app for a seamless user experience, achieving a load time under 2 seconds, with a 25
- Open Source Contribution:** Published as an open-source project on [Github](#), fostering community-driven improvements. Deployed on [Vercel](#), ensuring high performance and scalability.

## EXTRA-CURRICULAR ACTIVITIES & ACHIEVEMENTS

- Organized a thriving 3-day Dance-Fest with 25+ celebrity guests and 400+ attendees.
- Secured the title at ECell National Hackathon 2023 (Out of 30+ Teams).
- Managed 120+ Team Members across 5 departments as Club Coordinator, Dance Club.
- Headed the Cultural Performance Team at AdvITya '24 (College Techno-Cultural Fest with 12k+ footfall).

## CO-CURRICULARS

- LeetCode:** Achieved 265,437 in Aug-2024, solving 300+ problems with an average acceptance rate of 79.50%.
- GeeksforGeeks:** Maintained a consistent streak for 177 consecutive days, demonstrating strong dedication and perseverance. Ranked 170 during this streak among the students of VIT Bhopal, solving 300+ problems.