

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

Engineered a robust real-time messaging application enabling users to communicate through direct messages and group channels.

- Tech-Stack:** ReactJs, Node.js, Express.js, MongoDB, Socket.IO, JWT
- Spearheaded** a secure authentication system using JWT, ensuring user data protection and access control, with a 99.9% authentication success rate.
- Streamlined** real-time messaging capabilities with WebSocket integration, achieving message delivery in under 200 milliseconds.
- Designed** a scalable database schema with MongoDB, efficiently managing over 1,000 messages and supporting up to 50 simultaneous channels without performance degradation.
- Enhanced** the user interface for seamless navigation, contributing to a 30% decrease in 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:** ReactJs, Vite, Tailwind CSS, shadCN 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](#). Deployed on [Vercel](#), ensuring high performance and scalability.

EXTRA-CURRICULAR & CO-CURRICULAR ACTIVITIES

- Hackathon Winner:** Secured the title at ECell National Hackathon 2023, outperforming 30+ teams.
- Leadership:** Directed a 3-day Dance-Fest with 25+ celebrity guests and 400+ attendees; led 120+ members as Dance Club Coordinator.
- Cultural Lead:** Headed the Cultural Performance Team at AdvITya '24, a techno-cultural fest with 12k+ attendees.
- Problem Solving:** Solved 300+ problems, ranked 265,437 on LeetCode, maintained a 177-day streak on GeeksforGeeks.