HARSH KUMAR SINGH

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PROFESSIONAL SUMMARY

Innovative and driven Full Stack Web Developer with experience in building dynamic, real-time applications. Skilled in developing feature-rich platforms with modern tech stacks such as React.js, Node.js, WebRTC, and MongoDB. Adept at fostering collaborative user experiences, implementing secure authentication systems, and delivering scalable solutions. Passionate about using technology to empower users and drive social impact through creative and meaningful platforms.

TECHNICAL SKILLS

Frontend: React.js, Tailwind CSS, HTML, CSS, JavaScript
Backend: Node.js, Express.js
Database: MongoDB, MySQL
Real-time Communication: WebRTC, Socket.IO
Authentication: JWT, OAuth
DevOps & Deployment: Vercel, Render, Docker
Other Tools & Technologies: REST APIs, Firebase (notifications), Git, GitHub
Languages: Java, Python, C/C++

PROJECTS

Kridavista
A dynamic, web-based video conferencing platform blending real-time communication with entertainment. Features include group video calls, interactive chatrooms, live streams, and multiplayer games to foster social engagement. Built with WebRTC, Socket.IO, React.js, Node.js, and MongoDB.

- Implemented real-time communication using WebRTC and Socket.IO.
- Designed responsive UI using React and Tailwind CSS.

SaiMadad
An open-source web application promoting empathy and anonymous support. Enables safe, anonymous chats moderated by AI while maintaining privacy.

- Integrated AI-powered moderation with ethical community support.
- Used MongoDB for scalable storage and Firebase for notifications.
- Secured user data using JWT-based authentication.

Bank Management System
Java-based application managing customer accounts and transactions with integrated MySQL database.

PacMan Game
Classic Pac-Man game developed using Java to reinforce object-oriented programming and game logic.

Portfolio Website
Developed a responsive personal portfolio to showcase skills and projects. Deployed on Vercel.
www.harshkumarsingh.software

WORK EXPERIENCE

Web Developer Intern — *MsInterface Technologies Pvt Ltd*
Collaborated in agile teams to develop responsive and client-friendly web solutions.

Web Developer Intern — *Oasis Infobyte*
Enhanced front-end skills by working with real-world projects using React and version control systems.

Cybersecurity Intern — *Prodigy Infotech*
Worked on threat detection and risk assessment using industry-standard cybersecurity tools.

EDUCATION

B.Tech in Computer Science Engineering
Guru Gobind Singh Indraprastha University (2023–2027)

Sr. Secondary School (11th–12th)
Govt. Sarvodaya Bal Vidyalaya

Secondary School
Joseph and Mary Public School

CERTIFICATIONS

- Google Cybersecurity Professional Certificate – Coursera
- Web Development Masterclass – Udemy
- Java Programming Certificate

ACHIEVEMENTS

- Ranked **9th in internal hackathon** for Smart India Hackathon (SIH) 2024
- **Runner-up of VCT Hashtag** at JIMSEMTC