Tanish Vishwakarma

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Professional Summary:

BCA student specializing in full-stack web development and DSA. Strong expertise in React.js, Node.js, and Web Security (JWT, OAuth). Built scalable applications with real-time features using WebSockets & WebRTC. Hackathon finalist and 5-star coder on HackerRank.

Projects:

1. 📱 **Social-Media**

   A full-stack social media web application built with React.js, Node.js, Express.js, and MongoDB, Appwrite. This platform allows users to

   ✅ Sign up & Log in securely using authentication mechanisms

   ✅ Create, update, delete, and like posts

   ✅ Follow/unfollow users and build a social network

   ✅ Real-time notifications & messaging for seamless interaction

   ✅ Optimized UI/UX using Tailwind CSS for a modern look

   ✅ Scalable backend with RESTful APIs and JWT Authentication

   Website :- https://socialspherenetwork.vercel.app/

   Github :- https://github.com/profTanish/social-media-react-app

2. 🎥 **Omegle**

   A real-time video and text chat application inspired by Omegle, built with modern web technologies. This project enables users to connect with random strangers for live video and text-based conversations, providing an anonymous and interactive chatting experience.

   ✅ Instant Video & Text Chat – Connect with random users instantly.

   ✅ WebRTC & Socket.io – Real-time communication with seamless peer-to-peer connections.

   ✅ Anonymous Chatting – No login required, ensuring privacy.

   ✅ Optimized WebRTC latency by 30% using efficient peer-to-peer connections

   Github :- https://github.com/profTanish/omegle

3. 💳 **Payment Web App**

   A full-stack payment processing web application built with modern technologies to handle secure transactions seamlessly. This project includes user authentication, payment gateway integration, and transaction history tracking, making it a great foundation for any online payment system.

   Github :- https://github.com/profTanish/Paytm-web-app

Tech Stack:

- Languages: C++ (**core**), TypeScript (**core**), JavaScript (**core**), Java
- Frameworks: React.js, Next.js, Tailwind CSS, node.js, Three.js, GSAP, shadcn, vO
- Protocols: Web-RTC, Web-Sockets, http/https
- Database: postgreSQL, MongoDB, Prisma ORM, Appwrite
- Miscellaneous: Git/GitHub, Data Structures, DBMS, OOPS, Rest-API
- Web-Security: JWT, Hashing (**SHA256**), OAuth, SQL Injection, Authentication/authorization

Education:

Bachelor of Computer Applications (BCA)		Aug 2023 – Jul 2026
▪ Gyan Ganga College of Excellence	NA	Jabalpur, MP

Johnson English Medium School, State Boards		
▪ 12th (HSC)	74.4 %	Jabalpur, MP
▪ 10th (SSC)	82.5 %	Jabalpur, MP

Achievements and Certifications:

- Secured **2nd place** in an inter-college Hackathon and participated in a National Level Hackathon.
- Earned Hackerrank badges: **5 star** in C++, JavaScript.
- Completed 100xDevs Cohort-3 Full-stack Web-Development