

Sumant Sagar

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Professional Summary

Full Stack Developer with hands-on experience building web applications using React, Node.js, Express, and MongoDB, with a focus on authentication, real-time features, and secure backend APIs.

Technical Skills

Languages: C++, JavaScript

Front-end: React.js, ThreeJS, Tailwind CSS, Vite, HTML, CSS

Backend: Node.js, Express.js, Supabase, REST APIs

Cloud & DevOps: Vercel, Render, Netlify, Git, GitHub

Databases & Tools: MongoDB, MySQL, LocalStorage, Postman, Figma, VS Code

Projects

Certify — Digital Certificate Storage & Sharing Platform

Dec 2024 – July 2025

MERN Stack, Supabase, OAuth, TailwindCSS

- Built a full-stack certificate management platform enabling users to securely upload, organize, and share digital certificates via clean, public-friendly links and profile pages.
- Implemented dual authentication using Google OAuth and JWT-based email login with backend-enforced authorization to protect user data.
- Designed a secure file-storage pipeline using Supabase private buckets and signed URLs, ensuring certificates are never publicly exposed.
- Developed backend APIs with role-based access and certificate visibility controls (Public, Private, Unlisted).

InterviewArena — Real-Time Coding Interview Platform

July 2025 – Present

React, Node.js, MongoDB, Stream SDK, WebRTC, AI, Piston API

- Built a unified real-time interview platform combining collaborative coding, integrated video calls, and controlled AI assistance within a single interface.
- Implemented sub-50ms real-time collaborative code synchronization using Stream SDK custom events with remote-update flags to prevent infinite echo loops.
- Integrated Monaco Editor (VS Code engine) for an industry-grade coding experience with multi-language support and live execution via the sandboxed Piston API.
- Designed a consensus-based AI assistance system requiring interviewer–candidate approval before analysis, and built an AI-powered resume–job description analyzer using Groq (LLaMA 3) to extract match scores, missing keywords, and tailored interview questions via structured JSON outputs.

Dharma Desk — Productivity New Tab Browser Extension

2024

Vanilla JavaScript, HTML, CSS, Browser APIs

- Built a lightweight browser new-tab extension combining daily goal tracking, quick links, and rotating Bhagavad Gita quotes.
- Implemented goal persistence and daily reset logic using localStorage without external dependencies.
- Designed a customizable theme system with keyboard-accessible controls, focus states, and ARIA attributes.
- Developed a guided UI tour and interactive components using vanilla JavaScript fundamentals.

Education

Vellore Institute of Technology, Bhopal

Expected May 2026

B.Tech CSE (Cyber Security & Digital Forensics) — **8.55 CGPA**

Certifications

Scrimba Frontend Developer (2025) — React, JavaScript, Responsive Web Design

Striver's DSA Sheet (2024) — Solved **300+** LeetCode problems (LeetCode)

Leadership & Interests

National Cadet Corps (2020–2022) — strengthened discipline, teamwork, and leadership.

Reading fiction and self-help for creativity and personal growth.

Basketball — improved strategy, focus, and team collaboration.