Sumant Sagar

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Summary

Full Stack Developer specializing in building scalable MERN web applications with secure authentication, REST APIs, and responsive React interfaces. Experienced in developing end-to-end features from database design to frontend deployment.production-ready full-stack projects with real-world problem solving.

Technical Skills

Languages: C++, JavaScript/Typescript (ES6+)
Frontend: React.js, Next.js, Tailwind CSS, HTML5, CSS3
Backend: Node.js, Express.js, REST APIs
Databases: MongoDB, MySQL, Supabase
Authentication & Security: JWT, OAuth 2.0, Role-Based Access Control (RBAC)
Tools & Deployment: Git, GitHub, Postman, VS Code, Vercel, Render, Netlify
Core CS: Data Structures, Algorithms, OOP

Projects

Certify - Digital Certificate Storage and Sharing Platform   Dec 2024 – July 2025
MERN Stack, Supabase, OAuth, JWT, TailwindCSS

- Engineered a full-stack certificate management platform supporting secure upload, organization, and controlled sharing of digital certificates via personalized public profiles and signed links, improving data retrieval speed by 25%.
- Implemented dual authentication using Google OAuth and JWT-based email login, strengthening access security and reducing unauthorized access attempts by 40%.
- Architected a secure Supabase storage pipeline using private buckets and signed URLs, ensuring zero direct public file exposure and secure file delivery.
- Designed scalable RESTful APIs with role-based access control and configurable visibility modes (Public, Private, Unlisted) to enforce fine-grained resource permissions.

PlanTube — Smart Study Planner & Group Collaboration Platform   Jan 2026
React (Vite), Node.js, Express, MongoDB, JWT

- Architected and developed a full-stack study planning platform enabling students to convert YouTube playlists into structured learning paths, improving learning consistency and reducing distraction-driven drop-offs.
- Designed and implemented secure RESTful APIs with JWT-based authentication for playlist management, collaborative groups, and personalized study scheduling using a scalable MongoDB schema.
- Built real-time collaborative group features allowing users to share curated resources, track peer progress, and maintain accountability within study circles.
- Engineered a modular playlist builder system transforming scattered video content into goal-oriented, trackable study plans.
- Implemented per-video progress tracking with completion indicators and timeline visualization, enabling seamless learning resumption and measurable progress monitoring.

Education

Vellore Institute of Technology, Bhopal   Expected May 2026
B.Tech CSE (Cyber Security & Digital Forensics) — **8.58 CGPA**

Certifications & Achievements

Scrimba Frontend Developer (2025) — React, JavaScript, Responsive Web Design
Solved **300+ LeetCode** problems (LeetCode)

Leadership & Interests

National Cadet Corps (2020–2022) — Led 50+ cadets in logistics and event coordination, strengthening discipline, teamwork, and leadership under pressure.
Basketball — honed strategic thinking, focus, and collaboration skills in team settings.