

Shivansh

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Portfolio: <https://shivansh-portfolio-43.vercel.app/>

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Github link: <https://github.com/shivansh185>

SUMMARY

"Motivated software developer with strong expertise in Back-End Web Development and Object-Oriented Programming (OOP). Experienced in building scalable, efficient applications using Node.js, Express, and MongoDB. Skilled in both independent and collaborative remote work environments. Seeking opportunities to leverage problem-solving abilities and enhance web applications using React, and other frameworks."

SKILLS

FRONTEND: HTML5, CSS3, JavaScript (ES6+), React.js, Next.js,

BACKEND: Node.js, Express.js, RESTful APIs, webSockets, Socket.io, FFmpeg, Authentication & Authorization

DATABASES: MongoDB, Firebase (Firestore, Authentication, Cloud Storage), PostgreSQL, Prisma ORM

DEVOPS & DEVELOPMENT: Git, GitHub, Docker, Vercel

OTHERS: Cross-Browser Compatibility, WebRTC, RTMP Streaming, Real-Time Collaboration Systems

PROJECTS

RTMP Streaming Server:-

<https://github.com/shivansh185/-RTMP-Server>

A cloud-based RTMP server that enables live video streaming to platforms like YouTube using FFmpeg and Node.js. Utilized Docker to dynamically spawn containers per stream, with Socket.IO for real-time control and monitoring.

Key Features: Scalable architecture, real-time stream control, container-level isolation

Tech Stack: Node.js, Express, FFmpeg, Docker, Socket.IO, YouTube RTMP

Google Docs Clone:-

<https://github.com/shivansh185/GoogleDocs-Clone>

A Google Docs-style web app for collaborative document editing. Implemented real-time syncing using WebSockets and custom operational transformation logic to handle concurrent edits by multiple users.

Key Features: Concurrent editing, live sync, OT-based conflict resolution

Tech Stack: Node.js, Express.js, WebSockets, React.js, MongoDB, Socket.IO

Buffer-Clouds — Cloud-Based IDE:-

<https://github.com/shivansh185/Buffer-Clouds>

An online code editor supporting real-time code writing, compilation, and execution in the browser.

Integrated Monaco Editor with Firebase for multi-user document sync and persistent storage

Key Features: Live code execution, real-time chat functionality, Firebase Auth, Monaco Editor.

Tech Stack: React.js, Firebase (Auth, Firestore), Monaco Editor, Node.js

EDUCATION

VELLOR INSTITUTE OF TECHNOLOGY, BHOPAL

Majors: Computer Science and engineering

(2023-2027)

PARTICIPATION'S

Smart India Hackathon (SIH)

Collaborated on real-world problem statements from government and industry.

FOSS United Hackathon

Developed a collaborative environment to contribute and code in a single platform promoting the ease to code and collaborate

HackByte – IIIT Jabalpur:

Built a skill verification platform using AI to authenticate user credentials and match them with relevant job.