

Chinmay Patil

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Education

Walchand College of Engineering, Sangli <i>Bachelor of Technology (B.Tech) in Information Technology</i>	2022 – Present CGPA: 8.21
Shikshan Maharshi Bapuji Salunkhe Mahavidyalaya, Karad <i>Higher Secondary Education</i>	2022 80.33%
Na. Anandrao Chavan Vidyalaya, Malkapur <i>Secondary School Education</i>	2020 97.00%

Skills

- **Languages:** C++, JavaScript (ES6+), Bash
- **Web Development:** Next.js, Node.js, Express.js, React.js, REST APIs, JWT
- **DevOps & Tools:** Git, Docker, Nginx, Linux (Ubuntu, RHEL), Postman
- **Cloud & Deployment:** Cloudinary, Render, Vercel, AWS EC2 (basic)
- **Databases & Storage:** MongoDB, MySQL, IPFS, Redis (planned)
- **Blockchain:** Solidity, Web3.js, Genache (Ethereum testnet), IPFS

Projects

VerifyHub: Certificate Verification using Blockchain <i>(Solidity, Node.js, IPFS, MongoDB, Ethereum)</i>	May 2025 – Jun 2025
<ul style="list-style-type: none">– Designed and implemented a decentralized certificate verification system using Ethereum smart contracts and IPFS– Developed functionality to generate PDF certificates with embedded metadata and QR codes using PDFKit– Created a verification flow using CID matching and SHA-256 hash checks to ensure document authenticity– Built backend APIs with Node.js and Express for issuing and validating certificates– Used MongoDB to store certificate metadata and user data, enabling efficient lookups and admin control– Technologies: Solidity, Web3.js, IPFS, Node.js, Express, MongoDB, Ethereum, PDFKit	
Stremora: Cloud-Based Video Storage Platform <i>(Node.js, Express, React, MongoDB, JWT, Cloudinary)</i>	Jan 2025 – Feb 2025
<ul style="list-style-type: none">– Built a cloud-based platform for uploading and streaming user-generated videos with Cloudinary integration– Implemented user authentication using JSON Web Tokens and created a role-based access control structure– Developed REST APIs for managing users, videos, likes, comments, and playlists using Express.js– Designed a responsive frontend with React.js to support video browsing, playback, and profile customization– Optimized MongoDB queries through indexing and schema structuring to support scalable data access– Planned Redis caching and NGINX reverse proxy integration for future performance improvements– Technologies: Node.js, Express, React, MongoDB, JWT, Cloudinary	

Certifications & Achievements

- **Red Hat Linux Fundamentals (RH104)** — Linux basics: CLI, files, users, permissions, networking [Certificate]
- **CUDA C/C++ Fundamentals — NVIDIA** — GPU programming: kernels, memory management, thread sync [Certificate]
- **Vision CTF Finalist** — Top 5% of 60+; cryptography, Linux forensics, reverse engineering
- **Competitive Programming** — 125+ problems solved; LeetCode 1502, CodeChef 1465 (2 Star)