

CHINMAY PATIL

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Education

Walchand College of Engineering, Sangli

Bachelor of Technology in Information Technology; CGPA: 8.37/10

2022 – 2026

Sangli, India

Projects

Stremora - Cloud Video Storage Platform | Node.js, Express, MongoDB, JWT, Docker, AWS | Github

Jun 2025

- Deployed cloud-hosted backend on **AWS EC2** behind **NGINX** with **HTTPS/TLS** via Certbot
- Developed secure upload and retrieval flows using **Cloudinary** with controlled access
- Implemented **JWT authentication** with access and refresh tokens for stable session management
- Containerized the backend using **Docker** for consistent builds and predictable deployments

VerifyHub - Blockchain Certificate Verification | Solidity, Truffle, IPFS, MERN | Github

Mar 2025

- Designed and deployed **smart contracts** for certificate validation using **SHA-256 hashing**
- Integrated **IPFS (Pinata)** for tamper-proof, content-addressable certificate retrieval
- Built **verification APIs** supporting QR and short-code lookups
- Validated the workflow in a **local blockchain environment** for consistent results

Compresso - Image Compression Engine | Java, Swing, Multi-threading | Github

Jan 2025

- Developed a **Vector Quantization engine** with adaptive codebooks (**32–256 entries**) for lossy compression
- Achieved **75% size reduction** with minimal visual degradation
- Improved performance through **multithreaded tile mapping** with Swing-based visualization
- Designed the complete compression pipeline including codebook generation, encoding, and reconstruction

Technical Skills

Cloud & Containers: Docker, AWS (EC2, S3), Kubernetes (Basic), NGINX

DevOps & Tools: Git/GitHub, Linux, Postman, Certbot

Languages: JavaScript, Java, C++

Backend & Web: Node.js, Express, React.js, HTML, CSS, TailwindCSS

Databases: MySQL, MongoDB

Coursework: OOP, DSA, DBMS, Computer Networks

Achievements

Hacktoberfest 2025 Contributor - Successfully completed with 6 merged PRs to open-source projects

Red Hat Linux Fundamentals (RH104) - Red Hat, Sept 2025

Postman API Fundamentals Student Expert - Postman, Oct 2025

Finalist, Vision CTF - Ranked top 5% among 60+ teams (2024)

Finalist, WCPC - National level programming contest (2024)

Coding Profiles

LeetCode: chinmaydpatil09 (Highest Rating: 1705)

CodeForces: chinmaydpatil09 (Highest Rating: 1225 - Pupil)

CodeChef: chinmaydpatil0 (Highest Rating: 1528 - 2 Star)

Total Problems Solved: 800+ across all platforms

Volunteering Experience

WLUG (Walchand Linux Users Group)

2023 – 2024

Member

Sangli, India

- Supported participants during LinuxDiary and Deostro meetups
- Worked with Linux systems, shell workflows, debugging, and open-source collaboration

Interests

Cloud Infrastructure & Containerization, Linux Systems Administration, Open-Source Contribution, Competitive Programming