

Parth Vasave

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EDUCATION

University of Mumbai

B.E. in Computer Science and Engineering (Data Science)

2023 – 2026

Mumbai, India

MSBTE, Mumbai

Diploma in Computer Engineering

2019 – 2022

Mumbai, India

EXPERIENCE

Technical Head - CSI VCET

VCET, India

Aug 2025 – Present

- Led the Technical Team of the Computer Society of India (VCET), overseeing technical planning and execution of club initiatives and events.
- Coordinated with core committee members and faculty advisors to define technical requirements, make internal decisions, and ensure smooth execution of activities.
- Guided team members in creative work, reviewing, and improving content, enhancing the overall quality and effectiveness of club projects and sessions.

Freelance Developer

Remote, India

December 2025 – Present

- Developed and optimized client project modules using various technologies, focusing on user experience and on-time delivery.
- Collaborated directly with clients to refine workflows and resolve full-stack issues, consistently delivering high-quality code.
- Enhanced and optimized components, contributing to smoother user interactions.

PROJECTS

BrewUpdate | *Python, Brew CLI, macOS*

- Developed a GUI-based Homebrew manager to visualize installed packages and permission details.
- Implemented modules for package listing, permission inspection, and security insights.
- Integrated Brew CLI to enable updates, removals, and permission modifications.

SupplyFlow – Inventory Management System | *Python, JavaScript, React, MongoDB*

- Built application with tests, implementing supply chain algorithms (EOQ, ROP, ABC analysis) and real time notifications for automated inventory tracking.
- Implemented a security layer including role-based access control, rate limiting, and schema validation, preventing NoSQL injection and unauthorized access attempts.
- deployed the system and GitHub Actions, automated reorder alerts that substantially reduced manual inventory monitoring.

STEGANO | *Python, HTML, Tailwind CSS, ShadCN UI*

- Created a client-side LSB steganography tool for encoding and extracting messages securely.
- Implemented **32-bit** metadata encoding with **15+** validation cases for robust processing.
- Built a responsive, intuitive interface using ShadCN, Tailwind, and React Hook Form.

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript

Frameworks: FastAPI, React

Databases: MySQL, Firebase, MongoDB

Tools: Git, Docker, AWS, Vercel

CERTIFICATIONS & COURSES

- **University of Helsinki Programming Python MOOC 25**
- **HackerRank SQL Basic Certification**
- **HackerRank SQL Intermediate Certification**