

VEDANT SANJAY AMRUTKAR

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EDUCATION

Chennai , India
2023 - 2027

SRM Institute Science And Technology, Kattankulathur

Bachelor of Technology - Computer Science and Engineering : CGPA : 9.53 (2nd year)

PROFESSIONAL SUMMARY

- Motivated and detail-oriented DevOps and Cloud Engineering beginner with a strong foundation in cloud computing concepts, networking fundamentals, and system operations.
- Hands-on experience with CI/CD pipelines, version control (Git), containerization (Docker), and basic cloud services, with a growing focus on automation and infrastructure workflows.

EXPERIENCE

Web Development Intern

Dattopant Mhaskar NGO

May 2025 – July 2025

- Designed and developed a complete website for the NGO using WordPress.
- Customized themes and plugins to meet organizational needs and improve functionality.
- Enhanced website accessibility and user experience to support the NGO's outreach efforts.

PROJECTS

Flavour Craft | *Github*

HTML, TypeScript

- Developed an interactive recipe management web application using HTML and TypeScript, enabling users to search, filter, and explore recipes efficiently.
- Implemented dynamic search and filtering functionalities with type-safe scripting to enhance performance .
- Structured the application using modular TypeScript architecture to improve scalability and maintainability.
- Designed a responsive UI ensuring seamless user experience across desktop and mobile devices.

Virtual Chemistry Lab | *Github*

React.js , Three.js , Node.js , Express.js

- Created a fully interactive virtual chemistry laboratory that allows users to perform experiments in a realistic 3D environment, simulating real lab conditions in a safe and accessible digital space.
- Designed immersive 3D experiment models using Three.js, enabling users to handle lab equipment, mix chemicals, and visually observe reactions dynamically as they would in a physical lab.
- Implemented real-time synchronization between frontend simulations and backend logic to ensure accurate experiment sequences and realistic outcomes.

Mirror Cast | *Github*

Tauri v2, Rust, React.js, TypeScript, TailwindCSS

- Developed a high-performance Mirror Tool using Tauri v2 and Rust to capture and mirror selected screen regions into a movable, resizable window for focused screen sharing.
- Built a React + TypeScript selection overlay for precise region capture, ensuring privacy by hiding other desktop content.
- Implemented low-latency screen capture and optimized window management in Rust for a seamless, distraction-free sharing experience.

SKILLS

Programming & Tools : React | Jenkins | Javascript | TypeScript | Node.js | C | C++ | TailwindCSS | CSS | Docker | Three.js

Technical Tools : Microsoft Excel, PowerPoint, WordPress, Power Bi

Certifications : NPTEL MySQL (IIT Madras), NPTEL ML (IIT Kharagpur) , Udemy (C++, Python , ML , DSA)

Hackathons & Workshops :

Hack & Win Hackathon (Winner) , Quantathon 3.0 Hackathon (Winner) , SIH 2nd round Qualification

IT Industry Automation Using DevOps Practices , RaspberryPI - Workshop