

EDUCATION

VIT Bhopal University

BTech. Computer Science and Engineering CGPA: 8.66/10

Bhopal , India

September 2022 – May 2026

Shri Narayana Central School

CBSE 10th (March 2020): 90.2%

CBSE 12th (March 2022): 87.6%

Ahmedabad , Gujarat

EXPERIENCE

Whyte Automation Private Limited

May 2025

SDE intern

- Developed responsive and accessible web pages using HTML, CSS, JavaScript, improving overall UI/UX and increasing engagement by 14%.
- Led feature enhancements, identified and resolved performance bottlenecks, achieving a 10% faster page load time across critical flows.
- Collaborated cross-functionally with UI/UX designers to revamp interfaces and improve web accessibility, resulting in a 15% boost in user retention.

PROJECTS

ChatSphere | *React.js, Node.js, WebSockets, Cloudinary, JWT*

June 2024

- Built a real-time chat platform supporting instant messaging with text, images, and audio using WebSockets, tested with 10+ simultaneous users.
- Integrated Cloudinary for media uploads and added audio messaging, enhancing user engagement.
- Implemented secure login and registration using JWT with session handling for persistent authentication..
- Added editable profiles with support for name, bio, and profile picture, improving user personalization and profile completion rates during demo trials.

World Wide Map | *React, Mapbox, Leaflet*

Dec 2024 – Jan 2025

- Created a travel journaling app with interactive map view using Mapbox and Leaflet, allowing users to mark and describe 100+ custom locations.
- Improved component render efficiency by 30% using `useMemo` and `useContext`, verified through performance profiling tools.
- Implemented real-time form validation and modal-based input for adding location notes.

Doctor Appointment System | *MERN Stack*

January 2024

- Built a full-stack appointment management system using MongoDB, Express.js, React.js, Node.js, with Twilio SMS integration and calendar sync functionality.
- Reduced query latency from 2.1s to 0.8s by optimizing MongoDB indexes and schema design during testing phase, enabling scalable and fast appointment search operations.
- Integrated JWT-based role authentication for doctors and patients, with protected routes and form validation, ensuring secure access.

TECHNICAL SKILLS

Languages: JavaScript, Python, HTML, CSS
Frameworks: Next.js, Tailwind CSS, OpenCV
Tools: Prisma , Neon, Clerk API, Gemini API
Database: SQL, PostgreSQL
Version Control: Git

CERTIFICATES

- **The Ultimate React Crash Course** Udemy
- **Node.js, Express, MongoDB & More: The Complete Bootcamp** Udemy
- **Python Essentials** Vityarthi