

# Tanush Deshpande

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## 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

### BlueStock Fintech

August 2024 – September 2024

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

### World Wide Map | React, Mapbox, Leaflet

December 2024 – January 2025

- Integrated React Router for smooth navigation optimize global state management and improved rendering performance by 30% on the travel journal frontend.
- Used React Router for seamless navigation and useContext with useMemo efficiently to improve rendering performance.
- Enabled real-time form validation and designed a modal-based UI for adding location notes; also implemented offline-first functionality via IndexedDB and localStorage to ensure fast loading and reliability in low-network areas.

### FastPizza | React js

June 2024

- Developed a pizza ordering frontend utilizing React, complete with a sleek UI and reactive components for menu presentation, cart administration, and order review, and addressed findings to fix the three biggest causes of cart abandonment.
- Implemented global state management with Redux, and integrated React Router for 80% seamless multi-page navigation, improving user flow and component modularity.
- Leveraged useState, useNavigation, and reusable component patterns to manage 5+ interactive UI features, enabling efficient cart updates and smooth transitions across views.

### 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 and reducing invalid booking attempts by 25.%.

## TECHNICAL SKILLS

**Languages:** JavaScript, Python, HTML, CSS

**Frameworks:** Next.js, Tailwind CSS, OpenCV

**Tools:** Drizzle ORM, Neon, Clerk API, Gemini API

**Database:** SQL, PostgreSQL

**Version Control:** Git

## CERTIFICATES

**Bits and Bytes of Computer Networking:** Coursera – Part of Google IT Support Professional Certificate

**NPTEL Cloud Computing:** Conducted by IIT Kharagpur (Prof. Soumya Kanti Ghosh)

**Python Essentials:** VITYARTHI