

DHRUVIN KATAKIYA

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Education

B.Tech in Computer Science and Engineering

2023 – 2026

Nirma University

Ahmedabad, Gujarat

Diploma in Information Technology

2020 – 2023

Tapi Diploma Engineering College

Surat, Gujarat

Experience

Tatvam Cloud Solutions LLP

Frontend Web Developer-Intern (5th May – 5th July 2025)

- I worked as a Front-End Developer Intern, actively contributing to the development of real-world web applications using React.js
- I participated in UI/UX design workflows and helped create user-centric, responsive interfaces optimized for performance across devices.
- During the internship, I gained hands-on experience with component-based architecture, modern JavaScript, and collaboration within a professional development environment.

Projects

Freelance - Dheera Circuits

React.js, SCSS, Google Data API

- I developed a professional website for Dheera Circuits using React.js and SCSS to deliver a clean, responsive, and user-friendly interface.
- The project includes a fully functional contact form integrated with the Google Sheets API to store user submissions in real time.

Smart Parents

Flutter, Dart, Firebase

- Developed a comprehensive college management app to oversee the entire student life cycle for students, faculty, parents, and the college administration. The app provides tailored interfaces and functionalities for each user group.
- Implemented a secure login and signup system for admins, faculty, students, and parents, ensuring proper access control for each role. Users can add and view notices, schedules, results, and attendance records
- Parents can monitor their child's activity's and live location in real-time, enhancing the safety and communication between the college and parents.

Flix-tex

React, TailwindCSS, Express, NodeJS, MySQL

- Designed and developed a user-friendly wedding clothing e-commerce website where customers can browse and purchase wedding attire for both men and women. The site offers a seamless shopping experience, from product selection to checkout.
- Implemented robust login and signup functionality for users, enabling them to create accounts, browse wedding clothes, and securely complete their purchases.

Skills and Coursework

Technical Skills

Relevant Coursework

UI/UX: Figma, Canva
Languages: HTML5, CSS3, C, C++, JavaScript, Dart, PHP, Python
Frameworks: Flutter, TailwindCSS, React.js, Next.js
Databases: MySQL, Firebase
Cloud: Vercel

Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Database Management Systems

Soft Skills

Problem-Solving, Teamwork, Communication, Leadership

Positions of Responsibility

Technical Head – Association of Computer Engineering Students (Nirma Uni.)

Nov 2024 – Present

- I managed the technical team, maintained the club website, and led various technical activities
- Built digital platforms to manage event signups, announcements, and shared resources.

Publications / Research

"Cryptography-based Secure JSON Web Token for Robotic Telesurgery Systems in Healthcare 4.0"

8th National Conference on Advances in Enterprise Architecture, Poster Presentation

- Proposed a cryptographic JWT model using AES to secure real-time data in robotic telesurgery, ensuring reliable and secure communication in Healthcare 4.0 systems.