



Daksh Patel

Software Developer

About Me

A skilled Frontend and Java Developer with expertise in Java , React , HTML, CSS, JavaScript, Tailwind CSS, .NET, C#, Android, IoT, and SQL. Passionate about crafting intuitive and responsive user interfaces while ensuring seamless functionality. Proficient in building scalable web applications with clean, maintainable code. Currently expanding expertise in Next.js to enhance dynamic and interactive web experiences. Dedicated to staying updated with the latest industry trends and best practices to deliver high-quality, performance-driven solutions.


Education

(2022 – 2025)

CHARUSAT UNIVERSITY

Bsc. IT

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Skills

- Java
- HTML 5
- CSS 3
- Javascript
- React.Js
- C#
- .NET
- Android
- IOT

Language

- English
- Hindi
- Gujarati



Work/Projects

E-shopper the shopping web application

HTML | SQL Server | Javascript | Css | Php

- User-Friendly Shopping Experience
- Secure User Authentication
- Product Management System
- Animated Order Processing & Checkout
- Payment Gateway Integration



Other Skills

- Graphics Design
- Logo Creations
- Logo Animations
- Video Editing
- AD Creations



Work/Projects

MovieVerse – Modern Movie Streaming Website

React.js | HTML | CSS | Fire base

- Secure User Authentication
- Responsive and Mobile-Friendly UI
- Detailed Movie Pages with Ratings and Trailers
- Sleek and Modern Design with Interactive Elements
- Smooth Navigation and Component-Based Architecture
- Categorized Movie Sections (Trending, Top Rated, New Releases)



Work/Projects

Adaptive Sync Wear Jacket — IoT-Enabled Temperature-Adaptive Smart Jacket

Technologies Used: Arduino Uno / ESP32 | Bluetooth (HC-05 / BLE) | DHT11 / DS18B20 Temperature Sensor | Relay Module | Android (Kotlin/Java) | Firebase

Smart Temperature Control via Mobile App

Adjust the internal temperature of your jacket instantly using a custom-built mobile app—heat or cool as needed.

Heating System (Nichrome Wire / Carbon Fiber Pads)

The jacket integrates nichrome heating wires or carbon fiber heating pads, powered by a controlled circuit, which heat up when electricity is passed through, delivering safe, consistent warmth across the body zones.

Cooling System (TEC1-12706 Peltier Modules + Heat Sink + Fan)

For cooling, Peltier thermoelectric cooling modules are embedded inside with aluminum heat sinks and micro fans to dissipate internal heat, creating a cool and breathable sensation inside the jacket.

Real-Time Sensor Feedback

Environmental sensors detect outside temperature and adjust jacket temperature accordingly using logic in the microcontroller.

Bluetooth-Based Communication

The system communicates with the Android app via HC-05 / BLE, allowing users to set custom modes or activate auto-sync mode.

Custom Profiles & Presets

Save your favorite temperature settings for quick access (e.g., Winter Mode, Trekking Mode, Urban Commute Mode).

Fashion-Integrated Tech

All components are safely insulated and embedded in fabric compartments without compromising style and comfort.

Power Management System

Powered by a rechargeable Li-ion battery pack, with smart current control via relay/transistor modules to prevent overheating or battery drain.

Emergency Features

Built-in SOS button on the app sends alerts and triggers max heating in cold-shock situations.