



KISHAN VYAS

Full Stack Developer

(Web3 | Android - Flutter | React | Node.js)

My Contact

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📍 Rajkot - 360003

🌐 [LinkedIn](#)

🌐 [Leet Code](#)

🌐 [Git Hub](#)

Skill

- **Language:** c, c++, java, SQL, javascript, typescript, python
- **Android:** XML, Java, Firebase
- **Flutter:** Dart, Firebase
- **Web:**
 - **Frontend:** React, Next.js, Html, CSS, Tailwind-CSS, Mui, Recoil
 - **Backend:** Node.js, Express, Prisma, Zod, MongoDB, PostgreSQL, Firebase, Redis, WebSocket, gRPC
- **Blockchain:** Ether.js, Web3.js, Solidity (Smart-contract)
- **DevOps:** AWS (EC2, Lambda), Docker, Kubernetes, Linux, Nginx, Certbot, CI/CD

Language

- English
- Hindi
- Gujarati

Education Background

- **SSC**
Dasaram, Bagdu, Junagadh
2020 **95.33 PR**
- **HSC**
Alpha High School, Junagadh
2022 **83 PR**
- **B.Tech - (TFWS)**
Marwadi University, Rajkot
2022 - 2026 CGPA : **8.48**

About Me

Skilled Full-Stack Developer with expertise in **React, TypeScript, Node.js, Prisma, Redis, WebSockets, Android, and Flutter**. Experienced in both **Web2** and **Web3** development, including **smart contracts** and **blockchain** integration. Solved **400+ Leetcode problems**, demonstrating strong problem-solving skills and algorithmic thinking. Proficient in **Firebase, PostgreSQL, Docker, Kubernetes, and CI/CD**, with a focus on **building scalable, real-time applications**. Passionate about emerging technologies, system design, and decentralized solutions, and committed to continuous learning and innovation.

Learning Based Projects

Wether App (Flutter / Sep 2023 - Sep 2023) (on [GitHub](#) - on [LinkedIn](#))

A **dynamic weather app** powered by real-time weather APIs, providing forecasts for every city across India.

- Tech Stack: **Flutter (Dart)**, Weather API

Shoes UI (on [GitHub](#) - on [LinkedIn](#))

Flutter / Sep 2023 - Oct 2023

A sleek and modern shoes app UI design built in Flutter.

- Tech Stack: **Flutter (Dart)**

Todo Ui (on [GitHub](#) - on [LinkedIn](#))

Flutter / Dec 2023 - Jan 2024

A simple To-Do app with animations and smooth UI.

- Tech Stack: **Flutter (Dart)**

MIMO Learning Clone (ReactJS / Feb 2024 - Feb 2024)

A UI/UX **clone of the Mimo Learning Platform** built with modern frontend technologies.

- Tech Stack: **React.js, Tailwind CSS, MongoDB, Firebase**

AI-Mini-Projects (Python / Jan 2025 - Jan 2025) (on [GitHub](#))

A collection of **AI-based mini projects** demonstrating various **AI algorithms and techniques**.

Projects:

1. **Tic Tac Toe with AI** - A **GUI-based** Tic Tac Toe game with an **AI opponent** using the **Minimax** algorithm for optimal moves.
2. **Maze Search Algorithms** - Implementation of **DFS** and **BFS** to solve mazes, with a visualized solution path.

Tech Stack:

- Languages: **Python**
- Libraries: **Tkinter** (GUI), **NumPy, Matplotlib**
- Algorithms: **Minimax, DFS, BFS**

Real Time Age And Gender Recognition

(**Python / Jan 2025 - Jan 2025**) (on [GitHub](#))

A **real-time age and gender detection** system using **OpenCV's** deep learning module with a **pre-trained Caffe model**. The system captures video input, **detects faces**, and **classifies age and gender** with high accuracy.

Tech Stack:

- Languages: **Python**
- Libraries: **OpenCV, NumPy**
- Models: **Pre-trained Caffe models** (age_net, gender_net, opencv_face_detector)

Projects

Quiztical (React + TypeScript + Firebase / Jun 2024 - Jul 2024) (on [GitHub](#)) (Live at [Quiztical](#))

A versatile quiz management platform with:

- **Seamless Authentication:** Google Login and Email/Password support.
- **Dynamic Dashboard:** Create and manage quizzes with **real-time hosting and participant management**.
- **Post-Quiz Analytics** - Leaderboards, detailed summaries.
- Tech Stack: **React, TypeScript, Material-UI, Recoil, Firebase, Cloudflare**

BlogIt (React + TypeScript + Node + PostgreSQL / Jun 2024 - Jul 2024) (on [GitHub](#))

A full-stack blogging website supporting robust content management.

- User Authentication & Security
- Real-time blogging
- **Connection Pooling** for Database Optimization
- Tech Stack: **React, TypeScript, Material-UI, PostgreSQL, Prisma, Docker, Express, and Node.js.**

MU-Faculty-Review-Extension (Browser Extension / feb 2025 - feb 2025) (Demo [LinkedIn](#))

A **Chrome extension that automates Marwadi University faculty and warden feedback submission**, saving time and effort.

- One-click automation for submitting feedback
- User-friendly browser extension
- Tech Stack: **HTML, JavaScript**

Major Projects

Decentralized Drive (React + Web3 / Mar 2024 - Mar 2024)

A **secure and decentralized file storage solution** that allows users to **upload, manage, retrieve, and share files**, ensuring privacy and security.

- FrontEnd - **ReactJS, TailWind CSS**
- Blockchain - **Sepolia** (Testnet), **Remix**(Solidity Smart contract)
- External Lib - **Web3JS, EtherJS**
- Storage - **IPFS** (Pinata)
- Backend - **Blockchain, Firebase**(User Info Storage)

Real-Time Collaborative Code Editor (on [GitHub](#)) (Demo [Youtube](#))

(React + TypeScript + Node + WebSocket + Redis + Turbo Repo / sep 2024 - nov 2024)

A **real-time collaborative coding platform** enabling **multiple users** to **edit, run, and execute code simultaneously** with **instant synchronization**.

- **Implemented real-time WebSocket communication**, ensuring **low-latency collaboration** between multiple users.
- Designed a **scalable backend architecture** using **Redis Pub/Sub and Cluster**, enabling efficient event broadcasting and real-time updates.
- **Developed a Dockerized code execution engine**, supporting **multiple programming languages**, ensuring **isolated and secure execution**.
- Built an intuitive UI with **React and Recoil**, providing a seamless and collaborative experience for users.
- Allowing users to **create, join, and manage collaborative coding sessions securely**.
- **Optimized backend performance**, ensuring **scalability** and **efficient resource management for concurrent users**.
- Tech Stack: **React, Recoil, TypeScript, Node.js, Express, WebSocket, Redis (Pub/Sub), Docker, Turbo Repo**

Internship Experience

Udhyog40 (on [GitHub](#)) (Live at [Link](#))

(React + TypeScript + Node + WebSocket + Prisma + MySQL + Deployment / Aug 2024 - Feb 2025)

- **Developed a scalable platform** for managing **user data & processes** using **React, TypeScript, and Recoil**.
- **Designed and implemented backend architecture** with **Prisma, TypeScript, and WebSocket**, optimizing **real-time data communication**.
- Deployed the backend on a **GoDaddy Linux server**, handling **server setup, configuration, and optimization**.
- **Configured and renewed SSL certificates** using **Certbot**, ensuring secure HTTPS communication.
- **Set up and optimized Nginx as a reverse proxy**, improving performance and **load balancing**.
- Implemented **live admin monitoring, Excel sheet uploads, and form-based data entry** for streamlined data management.

Freelance Projects

Shashvat Enterprise (Brass Industry Management System) (React + Firebase / Jun 2024 – Feb 2025) (on [GitHub](#))

A **comprehensive web solution** for a brass industry company, featuring a **product showcase, user reviews, and a fully managed admin panel**.

- Developed a **responsive landing page** where users can browse products, view company content, and submit reviews.
- Built an **admin dashboard** for managing products, user reviews, and website content **end-to-end**.
- Implemented **authentication** and **role-based access** to secure admin functionalities.
- **Deployed frontend on Cloudflare**
- **Managed domain purchase and configuration via GoDaddy.**
- [Client Website](#): shashvatenterprise.com
- [Admin Panel](#): admin.shashvatenterprise.com
- Tech Stack: **React, Tailwind CSS, Material-UI, Firebase, Cloudflare, GoDaddy**

Dasharam (School Test & Student Management System) (on [GitHub](#))

(React + Node + Typescript + Firebase + Flutter / Nov 2024 – Jan 2025)

A **complete digital solution** for **schools** to manage students, teachers, attendance, and tests efficiently.

1. Developed a **school overview landing page** for showcasing information about the institution.
 2. Built an **admin panel** where **admins can manage students, teachers, classes, attendance, and tests**.
 3. Created a **teacher dashboard** for **adding attendance and managing class-specific tests**.
 4. Designed an interactive **student mobile app (Flutter)** where students & parents can View assigned subjects based on the student's grade level.
- **Receive real-time notifications** when new tests are added.
 - Access past test results and **offline stored test data** using **Hive** for local storage.
 - Implemented **Firebase Messaging Service** to send notifications to students and parents.
 - Developed and **deployed backend on Render**, using **Node.js, Express and Typescript** with **JWT authentication** for secure access.
 - Managed state efficiently using **Recoil** and stored data in **Firebase** for seamless syncing.
 - Tech Stack: **React, Typescript, Recoil, Node.js, Express, Firebase, JWT, Render, Flutter, Dart, Hive (local storage), Firebase Messaging Service**

Hackathons / Hacker House – Projects

Crop Yard (Android / Online / Mar 2023) (on [GitHub](#)) Secure position at **top 3**

An Android app enabling farmers to sell crops directly to buyers with **detailed listings and geolocation services**, empowering farmers and promoting local agriculture.

- Tech Stack: **Android (Java, XML), Firebase**

Secure Single-Click Identity Verification using zk-SNARKs and MPC (on [GitHub](#))

(React + Solidity + Circom + node / HACK THE MOUNTAINS / Sept – 2024)

A **decentralized identity verification system** that enables single-click, privacy-preserving **KYC** using **zk-SNARKs, Multi-Party Computation (MPC)**, and **Soul-Bound Tokens (SBTs)**.

- Developed and **secured the backend, integrating blockchain and frontend to the backend**.
- Implemented **zk-proofs** for identity verification without exposing sensitive data.
- Designed an **MPC-based verification** system to prevent identity fraud across multiple organizations.
- **Utilized Tezos and Etherlink smart rollups for low-latency transactions and enhanced security.**
- Tech Stack: **JavaScript, Solidity, Circom, zk-SNARKs, MPC, SBTs, Tezos, Etherlink**

AggreNet – Starknet Bridge Aggregator (on [GitHub](#)) (on [YouTube](#)) Secure position at **top 5**

(React + Node.js + Starknet.js + Cairo / Starknet Hacker House – Bangalore / Dec– 2024)

A **cross-chain bridge aggregator on Starknet**, optimizing token transfers by integrating multiple bridges into a unified interface.

- Developed a **smart routing algorithm** to **optimize bridge selection based on fees, speed, and liquidity**.
- Implemented **backend services** for **real-time data aggregation** and transaction monitoring.
- Designed **Cairo-based smart contracts** for secure and seamless Starknet token transfers.
- Built a modular system with **React.js** and **Node.js**, ensuring a **user-friendly** and **efficient bridge aggregator**.
- Tech Stack: **React.js, Node.js, Starknet.js, Cairo, Web3, Smart Contracts, API Integration**