

Nitrajsinh Solanki

Full-Stack Developer | MERN, Next.js, Flutter, Angular, .NET

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SUMMARY

Full-Stack Developer with a B.E. in Computer Engineering from Government Engineering College (GEC), Patan (CGPA 7.43). Currently a Full Stack Engineer Intern at VeloxCore Private Limited, building enterprise web applications with ASP.NET Core and Angular. Delivered 3 live production products for 2 freelance clients and shipped 11 full-stack projects, solo and in small teams. Won \$250+ in prizes across 5 global StackUp hackathon and bounty challenges. Open to full-time roles, internships, and freelance engagements.

TECHNICAL SKILLS

Languages: JavaScript (ES2022+), TypeScript, C#, Dart, Rust, Move (Aptos), Java, C

Frontend: React.js, Next.js, Angular, Tailwind CSS, Vite, Canvas API, Leaflet.js, Recharts

Backend: Node.js, Express.js, Next.js API Routes, ASP.NET Core (.NET), REST API Design

Databases: PostgreSQL, Prisma ORM, MongoDB, Mongoose ODM, MySQL, SQL Server

Mobile: Flutter (Android), Firebase FCM, Background Location, Provider, Dio

Auth & Security: JWT, OTP Email Auth, NextAuth, Session Management, Cookies, RBAC

AI & Blockchain: Google Gemini AI, AssemblyAI, HuggingFace, Deepgram, Aptos Blockchain, Move Language

Tools & Infrastructure: Vercel, Git & GitHub, Docker (basic), Postman, VS Code, Linux, Cloudinary, Firebase

EXPERIENCE

Full Stack Engineer Intern

Jan 2026 – Present

VeloxCore Private Limited, Gujarat, India | ASP.NET Core, C#, SQL Server, Angular

- Build and maintain enterprise-grade web applications with ASP.NET Core on the backend and Angular on the frontend, owning the delivery cycle from schema design and REST API architecture to component-driven UI.
- Design and implement clean, efficient RESTful APIs that power real production workloads; write reusable Angular components, services, and modules focused on maintainability and scalability.
- Collaborate on code reviews, technical architecture decisions, and best practices, shipping features in C# and SQL Server that remain readable and maintainable.

Freelance Full-Stack Developer

2024 – 2025

Independent Client Work, Gujarat, India | 2 clients, 3 products delivered

- Ice Saathi** (icesaathi.co.in): end-to-end Next.js and TypeScript platform for Aman Sales, a wholesale ice distributor in Gandhidham, covering customer onboarding, subscriptions, billing, delivery assignments, and a live GPS admin map.
- Floris Restaurant & Banquet** (floris-restaurant.vercel.app): production React 19 and Vite marketing site for a premium dining venue in Patan, optimised for speed and SEO and handling live customer traffic.
- HourBit** (hourbit-web.vercel.app): all-in-one productivity suite for employees, secured with OTP and JWT authentication.

Hackathon & Bounty Participant

2024 – 2025

StackUp (Global Platform), Remote | \$250+ won across 5 challenges

- Competed in 5 global hackathon and bounty challenges across blockchain, AI, and full-stack categories: placed 3rd (\$90) and 4th (\$70), earned a \$60 Bounty, and received \$20 and \$10 Merit prizes.
- Shipped full-stack projects solo and in a team of two, working with Move on Aptos Blockchain, Rust systems programming, Google Gemini AI, and multimodal GenAI under tight deadlines.
- First submission to complete all objectives in the StackUp Rust Bounty Challenge.

PROJECTS

Ice Saathi – Business Management Platform

icesaathi.co.in

Live Client Product

Tech: Next.js, TypeScript, MongoDB, Tailwind CSS, Firebase FCM, JWT, REST API, Flutter

- Business operating system for a wholesale ice distributor: customer management, subscriptions, billing, delivery tracking, and live GPS on an admin map.
- Companion Flutter delivery-partner app with OTP login, background GPS tracking, FCM push notifications, sticky notes, and customer lookup.

HourBit – All-in-One Productivity Suite

hourbit-web.vercel.app

Live

Tech: Next.js 16, TypeScript, MongoDB, Mongoose, JWT, Nodemailer, Tailwind CSS, Recharts, jsPDF, bcryptjs

- 5 integrated tools: Work Hours Tracker (with smart leave prediction), Brain Quiz (XP rewards and leaderboard), Personal Diary (CSV/PDF export), Typing Speed Test, and Expense Tracker with Recharts analytics.
- Full admin panel for user management, quiz content, and XP rewards; OTP email verification and JWT sessions; PWA-ready.

ViTa Cuisine – Restaurant & Tiffin Ordering Platform vitacuisine.vercel.app | github.com/Nitrajsinh-Solanki/VDsHungerHub

Tech: Next.js 16, React 19, TypeScript, PostgreSQL, Prisma ORM, Tailwind CSS, JWT, MSG91 OTP, jsPDF

- Customer portal with OTP registration, PIN login, and daily menu browsing; customizable thalis and add-ons, saved addresses, and order history.
- Admin and API features: menu publishing, order tracking, customer and company records, payments and credit ledgers, RBAC, validation, and PDF/WhatsApp billing.

Library & Book Store Inventory System

github.com/Nitrajsinh-Solanki/library-inventory-system

StackUp Hackathon, 3rd Place (\$90)

Tech: Next.js, TypeScript, MongoDB, Supabase Storage, Google Gemini AI, NextAuth, JWT, Nodemailer, Tailwind CSS

- Three-role system (Admin, Librarian, User) with route-level protection and RBAC; OTP email verification via Nodemailer before account activation.
- AI-generated book descriptions via Google Gemini; book cover uploads to Supabase Storage.
- Borrow and return system with automatic fine calculation, configurable fare settings, and an admin analytics dashboard.

BioMap – Scientific Explorer Platform

biomap-nitrajsinh-solankis-projects.vercel.app

StackUp May 2025 Challenge, 4th Place (\$70) | Live

Tech: Next.js 14, TypeScript, MongoDB, Leaflet, GBIF API, PubChem API, NASA Images API, iNaturalist API, Wikipedia API, JWT

- Unified scientific platform integrating 6 public APIs: biodiversity maps (GBIF), chemistry data (PubChem), NASA space media, environmental monitoring, species taxonomy (iNaturalist), and educational resources (Wikipedia).
- Interactive Leaflet map with global species occurrence data; OTP email verification and JWT sessions.

NFT Marketplace on Aptos Blockchain

github.com/Nitrajsinh-Solanki/aptos4-bounty-nft

StackUp Bounty Challenge, \$60 Bounty

Tech: Aptos Blockchain, Move Language, Aptos CLI, React, @aptos-labs/wallet-adapter-react, Petra Wallet

- On-chain NFT marketplace with time-based auctions, royalty enforcement (5% default, 15% max), batch NFT transfers, and an offer/counter-offer system.
- APT token payments, creator tipping, and advanced filtering, deployed on Aptos Testnet using Move smart contracts.

Moodify – AI Music Streaming App

github.com/nitrajsinh-solanki/hackathon_may_stackup

StackUp Hackathon, \$20 Merit Prize

Tech: Next.js 15, React 19, MongoDB, Google Gemini AI, Cloudinary, Jamendo API, Deezer API, Audius API, OpenWeather API, JWT, Tailwind CSS

- Context-aware music platform: Gemini AI uses weather (OpenWeather), location, time, and listening history to generate hyper-personalised track recommendations. Built in a team of 2.
- Multi-source streaming from Jamendo, Deezer, and Audius in one UI, with a custom audio visualizer, AI music chat, and Cloudinary track uploads.

Math Genius AI – Learning Platform

github.com/Nitrajsinh-Solanki/hackathon-feb

StackUp Hackathon, \$10 Merit Prize

Tech: Next.js, TypeScript, Google Gemini AI, MongoDB, Canvas API, jsPDF, Express.js, Node.js, JWT, Nodemailer, Tailwind CSS

- Adaptive AI math education platform covering Algebra, Geometry, Trigonometry, Calculus, and Statistics; Gemini AI dynamically generates difficulty-adjusted quizzes.
- Canvas API handwriting recognition board: draw equations and the AI solves them with step-by-step explanations; PDF report generation via jsPDF.

Simple File Server in Rust

github.com/Nitrajsinh-Solanki/simple-file-server

StackUp Rust Bounty, \$60 Bounty (first to complete all objectives)

Tech: Rust, Cargo, TCP/HTTP, mime_guess, walkdir, url-escape, Systems Programming

- HTTP file server built from scratch over raw TCP with no web framework: custom HTTP request parser, response builder, MIME type detection via mime_guess, and recursive directory traversal via walkdir.

EDUCATION

B.E. Computer Engineering

2022 – May 2026

Government Engineering College (GEC), Patan | Gujarat Technological University (GTU) | CGPA: 7.43 | Gujarat, India

HSC – Science

March 2022

Sheth C.M. Higher Secondary School, Gandhinagar | GSEB | 77.53%

SSC

March 2020

Smt. Purbai Kanji Rajgor High School, Bhadreshwar | GSEB | 86.67%

ACHIEVEMENTS

- \$250+ in prize money won across 5 StackUp global hackathon and bounty challenges (2024–2025).
- 3rd Place, StackUp Library Inventory System Hackathon (\$90); 4th Place, BioMap Scientific Platform (\$70); \$60 Bounty, Aptos NFT Marketplace.
- First submission to complete all objectives in the StackUp Rust Bounty Challenge.
- Delivered 3 live production products for 2 freelance clients: icesaathi.co.in, floris-restaurant.vercel.app, hourbit-web.vercel.app.
- 11 projects shipped end-to-end across hackathons, client work, and personal builds.