

NEVIL SEQUEIRA

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Technical Skills

Languages: JavaScript, TypeScript, SQL

Frontend: React.js, Next.js, React Native, Expo, Tailwind CSS

Backend: Node.js, Express, FastAPI, REST APIs, WebSocket

Databases: PostgreSQL, MySQL, MongoDB, Firebase, Supabase

Blockchain & AI: Ethereum, Thirdweb, IPFS, Gemini API

DevOps & Tools: Docker, AWS (EC2), Nginx, PM2, Git

Experience

Hult Infotech

Jan 2026 – Present

Technical Product Engineer

Remote

- Built a multi-tenant SaaS e-commerce platform with 5 swappable storefront themes, spanning a customer storefront, seller dashboard, admin panel, and API backend.
- Engineered a conversational-commerce flow over the WhatsApp Business API that routed automated orders straight to merchant WhatsApp lines, cutting manual order handling for sellers.
- Designed the tenant-isolation and catalog data model backing the platform, translating product requirements into a scalable multi-tenant architecture.
- Coordinated a team of development interns through agile sprints and code reviews, owning milestone delivery and shipping the platform to production on schedule.

Hult Infotech

May 2025 – Dec 2025

Software Development Intern

Remote

- Developed a 7-module factory-management ERP on the PERN stack (PostgreSQL, Express, React, Node.js) covering purchases, sales, inventory, transport, accounts, and payroll for an industrial client.
- Shipped core features for Communets, an e-commerce platform with 4,000+ products across 24 categories in Saudi Arabia, including payment-gateway integration, product variants, and a dynamic coupon engine.
- Integrated iMile delivery APIs to automate order creation, shipping-label generation, and live delivery tracking, streamlining customer logistics.
- Created an AI chatbot on the Gemini API with function-calling to handle product queries across 4,000+ SKUs in real time.
- Hardened the platform by fixing CORS misconfigurations and resolving 50+ cross-stack bugs, improving stability across the app.

National Dairy Development Board (NDDB)

May 2025 – July 2025

Software Development Intern – ICT Department

Anand, Gujarat

- Authored backend APIs for an internal Event Photo Manager, adding image categorization, media filtering, and secure storage for corporate event assets.
- Created the admin web panel for a Farmer Learning Management System (LMS), supporting video, PDF, and quiz uploads with learner-engagement analytics.

Projects

Real-Time Clinic Appointment Booking System

 App —  Web

React Native, Expo, React.js, Node.js, TypeScript, Firebase

- Delivered a full-stack, real-time clinic platform across 5 screens: a cross-platform patient mobile app plus a web dashboard for healthcare providers.
- Implemented live appointment-queue tracking with dynamic ETA updates over Firebase Realtime Database for instant cross-device sync.
- Designed secure, centralized patient-record workflows giving providers fast access to full medical histories.
- Integrated an AI clinical assistant that analyzed patient metrics to surface context-aware diagnostic insights.

Blockchain-Based Apparel Authentication System

 Code

React Native, Node.js, Express.js, MongoDB, IPFS, Thirdweb, Ethereum

- Launched a Web3 apparel-authentication platform where manufacturers manage inventory and mint NFT-linked QR codes, tracking each product from manufacture through resale.
- Integrated Thirdweb's Ethereum APIs for NFT minting, ownership verification, authenticity validation, and resale tracking.
- Stored product metadata on IPFS to keep lifecycle records immutable and tamper-proof.
- Developed the React Native app and Node.js/MongoDB APIs powering near-instant QR-based verification and secure ownership transfers.

Achievements

- **Grand Finalist**, Smart India Hackathon 2024 — Top 5 of 500+ teams; built an animal and crop disease detection app with contagious-disease alerts for nearby areas.
- **Finalist**, CVMU Hackathon (2023 & 2024) — built the blockchain-based apparel authentication app (ThreadMarks) in 2024.
- **Top 15**, Code Seva Hackathon (150+ teams) — presented ThreadMarks for counterfeit prevention.

Education

A. D. Patel Institute of Technology

Sept 2022 – May 2026

B.Tech in Computer Engineering — CGPA: 9.29/10

Anand, Gujarat

- Coursework: Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks.