

Nav Veer Bhangal

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EDUCATION

University of California, Los Angeles

Bachelor of Arts in Computer Science and Linguistics

June 2026

Los Angeles, CA

Relevant Coursework: Data Structures & Algorithms, Computer Architecture, Operating Systems, Software Construction, Programming Languages, Artificial Intelligence

EXPERIENCE

Vulorean (vulorean.com)

Co-Founder & Technical Lead

Feb 2026 – Present

Los Angeles, CA

- Co-founded and led engineering for a property-tax-appeal SaaS that has saved homeowners over **\$100,000** in property taxes, building a **3-runtime** platform (Cloudflare Worker edge, Node.js API, Python valuation/PDF backend, Supabase Postgres) behind a **157-route** API with **786** automated tests gating every deploy.
- Built an appraiser-grade comparable-sales valuation engine (24 statute-calibrated adjustments, market regression, and paired-sales dollar deltas) fed by a **near-zero-marginal-cost** data pipeline: a 999-proxy rotating fetcher sources every comparable from public Redfin and Zillow listings, then a 3-model LLM stack (Gemini vision for build-quality grading, Kimi K2 for agentic property research) enriches it, replacing the licensed MLS and property-data feeds (ATTOM, CoreLogic) the rest of the industry pays for.
- Engineered the Stripe Connect marketplace and money layer (idempotent webhook handling, double-pay-proof payouts, and refund clawbacks that reverse already-disbursed commissions) on an integer-cent invariant mirrored across both runtimes and pinned by a property test that fails the build on any drift.

Bay Transport Inc.

Contract Software Engineer

Jun 2025 – Sep 2025

Union City, CA

- Developed and deployed a full-stack, containerized application (Python/FastAPI, React, PostgreSQL) to digitize and automate dispatch workflows for a trucking logistics firm; established a Jenkins + Docker CI/CD pipeline for ongoing deployments.
- Designed a route-optimization algorithm that assigns freight jobs across the driver fleet to minimize total miles driven and delivery turnaround.

High-Volume Reselling Business

E-Commerce Business Owner & Secondary Market Specialist

Jan 2018 – Jun 2023

Fremont, CA

- Founded a sole-proprietor e-commerce business generating **\$500K+** in sales (2018–2023) while maintaining an average **27% ROI** through strategic sourcing and resale of high-demand consumer products on secondary markets.
- Deployed internal automation tools and dynamic pricing strategies grounded in real-time market research to streamline sourcing, pricing, and social media marketing campaigns.

Adath Trading (Acquired)

Founder

Feb 2020 – Dec 2020

Remote

- Founded and scaled a subscription-based automation-software consultancy, growing recurring revenue to a successful acquisition in December 2020; built configuration tooling that improved members' checkout success rates.

PROJECTS

Flow: Social Analytics PWA + Coaching Marketplace (flowstates.xyz)

React 19, TypeScript, Cloudflare Workers (Hono), D1, R2, Firebase Auth, Discord OAuth, Stripe

- Designed and shipped an end-to-end progressive web app with authentication, payments, social feed, and a separate coaching marketplace deployed to its own subdomain.
- Replaced ad-hoc Firebase token verification with a hardened JWT layer using hono/jwt, validating signature plus alg/aud/iss/sub/exp/iat claims and closing a vulnerability surfaced in code review.
- Built a session-aware API caching layer with localStorage persistence (covered with Bun unit tests) and diagnosed iOS standalone-PWA viewport bugs by reverse-engineering Safari's safe-area behavior.

Bruin Dining: UCLA Dining Hall Menu Aggregator (dining.quano.us)

Next.js, TypeScript, TailwindCSS, Framer Motion

- Developed a responsive full-stack web application using Next.js and TypeScript to aggregate and display real-time dining menus for UCLA students across the campus's four on-campus dining halls.
- Engineered a server-side API proxy to fetch and normalize external menu data, handling CORS policies and implementing error handling to ensure consistent data delivery.
- Designed a mobile-first interface with TailwindCSS featuring dynamic filtering for meal periods and locations, swipe-gesture date navigation, dark mode, and shareable deep-link URLs.

SKILLS

Languages: Python, TypeScript, JavaScript, Java, C++, Go, SQL, R

Frameworks: React, Next.js, Node, Hono, FastAPI, Flask, Express, GraphQL, TailwindCSS

AI/ML: LLM application development (Claude, Gemini, Kimi K2), RAG + embeddings, eval harnesses, vision-model pipelines, agentic workflows

Infrastructure & Tools: Docker, AWS, Cloudflare, Supabase, PostgreSQL, Redis, Stripe, Git, Linux