

Shaan R. Mehta

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Overview: Full-stack engineer & polymath who's built multiple enterprise and consumer production AI systems from scratch; former institutional credit investor with \$1.2B+ closed in structured debt deals

Tech Stack: TypeScript, Python, SQL, C; React / React Native (Next.js, Expo, Astro), FastAPI, Node/Hono, PyTorch, Docker, Digital Ocean, GitHub Actions, Redis, Postgres (Supabase), Vector databases (Pinecone), RAG, blob storage (S3), LangChain (Agentic AI)

SOFTWARE ENGINEERING

DealQ - Cofounder / CTO

June 2025 - October 2025

- Solo-built production codebase from scratch for AI-powered CRE underwriting platform; 6 enterprise firms onboarded during private beta with 200+ live deals underwritten in four weeks
- Architected async data extraction pipeline for complex financial documents (40-50pg PDFs, scanned tables, multi-sheet Excel models); 7-stage process using LLM chaining, validation, concurrent processing, and regex extraction; 99% accuracy across ~300 deals tested, cutting manual workflow from 2hrs+ to ~5min
- Forward-deployed amongst enterprise analysts to iterate on financial-modeling UI across 6 major revisions; built human-in-the-loop review interface after discovering users needed transparency into AI-derived outputs
- Next.js + FastAPI stack with 8 modular stateless services in a monorepo; containerized deployment on Digital Ocean with CI/CD via GitHub Actions, Redis caching, Supabase Postgres & S3, LangChain for LLM orchestration

iOS Developer - Apple Developer Program

December 2024 - February 2026

- Built and published 3 consumer mobile apps to App Store with Expo + Node/Hono stack, shipping each in under four weeks with 11 production updates total
- Automated content creation pipeline via N8N; built short-form content farm using seven refurbished iPhones; ran UGC campaign generating 10M+ views across TikTok, Instagram, and Reddit

MACHINE LEARNING

Axiom Neural Net Framework - Developer

January 2026

- Built a modular neural network library in ~1,000 lines of C with zero external dependencies; implemented stride-based tensor engine, cache-optimized matrix multiplication, dense & activation layers, backpropagation, and SGD
- Trained a model achieving 96.5% accuracy on MNIST; designed PyTorch-like API with extensible layer architecture for adding new components via forward/backward interface; validated with zero memory leaks

PREVIOUS FINANCE EXPERIENCE

PGIM Real Estate (NYC)

Senior Investment Analyst

August 2024 (Promotion)

Investment Analyst

June 2022 – July 2024

- Closed \$1.2B+ across 11 CRE structured debt deals (industrial, multifamily, retail, and self-storage assets)
- Led and managed due diligence process with borrower team and lawyers, often handling 6-8 deals at once; drafted detailed investment memos and worked with internal investment committee to push deals across the finish line

EDUCATION

App Academy Open

Fall 2024

+1000 hour self-taught immersive full-stack bootcamp. JavaScript, Python, SQL, HTML/CSS, React, Redux, Docker

University of Southern California

Spring 2022

Bachelor of Science, Business Administration

GPA: 3.7

Minor in Art History

Honors: Magna Cum Laude, Dahlman Scholarship (Merit-based), Marshall Intl. Case Challenge Finalist

OTHER

Interests: Yoga, meditation, living abroad, music, sauna/cold plunge, biohacking, hiking, world cinema