Vikyath Sai Naradasi

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EDUCATION

University of Southern California — Los Angeles, CA
M.S. in Computer Science - Artificial Intelligence — *August 2024 - May 2026*
- Enrolled in a highly selective Artificial Intelligence program within the Viterbi School of Engineering.
- Courses: Foundations of Artificial Intelligence, Deep Learning and its Applications (including research paper project).

University of California, Santa Cruz — Santa Cruz, CA
B.S. in Computer Science — *September 2021 - June 2024*
- Awards: Graduated with honors from the Baskin School of Engineering
- Courses: Intro and Abstractions (Python), Data Structures and Algorithms (C++), Systems Design and OS (C/C++), Web Dev (HTML, TypeScript, CSS, React.js, Node.js), Relational Databases (SQL), Statistics and Probability Theory, Data Science.

WORK EXPERIENCE

Interdependent Studios — Los Angeles, CA
Artificial Intelligence Engineering Intern: — *March 2025 – Present*
- Built the company website end-to-end (React, TypeScript, Node.js) with Supabase storage and a GraphQL API; hardened bot protection with honeypot fields, robots.txt rules, Cloudflare Tunnel, and Cloudflare Turnstile-gated form submissions.
- Integrated Stripe Treasury payouts through the Miro API, automating payment flows with serverless functions; processed test transactions via Stripe Sandbox with Stripe Identity and enabled same-day settlement for future scale-up.
- Automated the creative pipeline by linking GPT-4o image generation, Sora video synthesis, and custom Zapier workflows, shrinking asset-turnaround time by 45%. Added endpoints via OpenAI + Grok APIs behind secure ngrok tunnels.

CloudBox — Dallas, TX
Software Engineering Intern: — *May 2025 – August 2025*
- Achieved faster, more reliable releases by migrating to a pnpm + Turborepo monorepo and standardizing Node.js TypeScript/Next.js build scripts, resulting in ~30–45% faster CI install/build times and fewer cache misses.
- Improved data integrity and deploy safety by designing PostgreSQL models with Prisma ORM and authoring idempotent migrations promoted via Supabase CLI. Producing 0 unauthorized reads in audits and clearer role boundaries.
- Increased compliance pass rates by integrating METRC package/tag/manifest flows through Node.js (TypeScript) services with typed REST clients and Zod validation, driving a ~25–35% drop in reconciliation tickets.
- Boosted API reliability by enforcing Zod input schemas and implementing retry with exponential backoff + timeouts for third-party calls, cutting 5xx errors by ~20–30% during testing. Designed reactive UI/UX for terms of service on TypeScript.
- Tightened backend security by implementing Supabase Row-Level Security (RLS) policies and least-privilege SQL grants.

Plero Music — Los Angeles, CA
Software Engineering Intern: — *January 2025 – May 2025*
- Engineered a modular Python ETL pipeline that integrates Genius, Spotify, and Songstats APIs, automatically updating 120k track records with ISRC, radio-play, and market-location data, elevating metadata completeness to 95 % for partner labels.
- Automated artist onboarding by building an ID-discovery micro-service that maps artist names and URLs to Genius IDs with 96 % precision, eliminating about 6 hours/week of manual look-ups and terrestrial play counts for all high-traffic tracks.
- Packaged CLI workflow into a Webapp while wiring it into existing CI/CD pipelines, achieving one-click deployments and sustaining 90.2 % pipeline success across 200+ production runs. Optimized conditional fetches and concurrent API calls.

Reality AI Lab — New York, NY
Software Development Intern: — *April 2024 – August 2024*
- Led a team of 4 other interns to build a comprehensive report using SQL and Firebase, resulting in a 50% reduction in data retrieval time and a 20% improvement in data accuracy. Resolved screen distortion issues, enhanced web user experience.
- Enhanced the "Chat Bot" tool by 40%, improving user navigation through categorized and collapsible message sections, and resolving screen distortion issues, leading to a 25% increase in user satisfaction.
- Optimized Node.js and PostgreSQL micro-services with advanced indexing and Redis caching, slashing average API latency.

PROJECTS

AgreeMint
Skills: (Python, Generative AI, HTML, CSS, API, LLMs, Visualization Dashboard)
- Awarded 1st Place at the Wordware (YC S24) Hackathon in San Francisco, CA. AgreeMint simplifies the review process of job offers by integrating and analyzing offer letters, job listings, and market data via Levels FYI, using modern agentic AI practices.

Autonomous Vehicle Accident Tracking
Skills: (Python, SQL, Beautiful Soup, Web Scraping, Python Statistical Analysis)
- Developed a web scraper to collect and visualize California DMV's autonomous vehicle accident data using Beautiful Soup
- Designed the backend using Python and SQL for data extraction of specific text patterns, and calculated the frequency of autonomous vehicle accidents by automobile manufacturers.

TECHNICAL SKILLS & FRAMEWORKS

Python | React | SQL | TypeScript | C/C++ | Java | TypeScript | Node.js | Supabase | Flask | RESTful APIs | Generative AI | LLMs | Deep Learning | NLP | Could Engineering | LangChain | Ruby | ETL Pipelines | Selenium | AWS | GCP | Firebase | MongoDB | Stripe API | Zapier | Agile | CI/CD | Git | ngrok | CSS | PyTorch | TensorFlow | Agentic AI | MCP | PHP | Swift | GraphQL