

MITHRAN SADASIVAM

AI Engineer

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PROFESSIONAL SUMMARY

AI Engineer and startup Co-Founder who builds machine learning models and AI-enabled software, from PyTorch generative models to production full-stack applications. Co-founded a civic-AI startup building equity-procurement infrastructure, implemented a CycleGAN image-generation model trained on GPU, and applies LLMs and AI-assisted development tools across research and engineering workflows. Skilled in Python, PyTorch, scikit-learn, SQL, and TypeScript. B.S. in Business Analytics with a Minor in Computer Science.

EDUCATION

University of San Francisco San Francisco, CA
B.S. in Business Analytics, Minor in Computer Science Aug 2022 – May 2026
Relevant Coursework: Machine Learning, Data Structures & Algorithms, Statistical Analysis, Probability & Statistics

EXPERIENCE

- Munifi Technologies, LLC — Co-Founder** May 2026 – Present
San Francisco, CA
 - Co-founded a civic-AI startup building equity-procurement infrastructure that analyzes public procurement data to help government and institutional buyers route contracts to certified small and diverse businesses.
 - Designed and implemented race-neutral vendor-scoring logic to support data-driven procurement decisions in compliance with Prop 209 and UC Policy BFB-BUS-43.
 - Led development of the Vendor Management System (VMS), a Next.js/TypeScript/Tailwind CSS platform with separate agency-staff and vendor-facing portals, owning backend and infrastructure.
 - Developed automated compliance documentation and fraud-detection audit-chain tracking features.
 - Built and deployed a live proof-of-concept analyzing vendor-dispatch equity for San Francisco's Sidewalk Inspection and Repair Program, and led pilot conversations with university health system and city government stakeholders.
- Zettaone — Data Analyst Intern** Jul 2025 – May 2026
Bangalore, India
 - Built real-time manufacturing dashboards using SQL query tuning and modern UI frameworks to accelerate deployment.
 - Developed custom JavaScript/HTML front-end interfaces that gave stakeholders visibility into high-priority KPIs.
 - Conducted user research and analyzed workflow bottlenecks, driving a 15% improvement in application navigation efficiency.
- Feedback Advisory — Data & Business Analyst Intern** Jun 2024 – Jul 2024
Bangalore, India
 - Used LLMs and AI-assisted tools to synthesize supplier data and evaluate market positioning, significantly reducing manual research time.
 - Streamlined Excel workflows and built executive-facing visualizations, improving data accessibility for a 10+ member team.
- International Tamil Academy — Software Developer, Evaluation Engine** Nov 2019 – Mar 2022
Cupertino, CA
 - Designed and deployed a secure web portal for student evaluation results supporting 500+ families.

PROJECTS

- Kaggle CycleGAN Competition — Monet-Style Image Generation** 2025
 - Implemented a full CycleGAN (generative adversarial network) in PyTorch with automatic CUDA/MPS/CPU device detection, trained it on GPU, and produced a competition-ready submission.
- NYC 311 Streetlight Dispatch Platform — Lead Developer** Mar 2026 – Present
 - Built a full-stack platform in Python on NYC Open Data (311) that automates reporting and dispatch for faulty-streetlight complaints, routing jobs to certified M/WBE vendors under NYC PPB Rule 3-08.
 - Implemented geospatial matching logic to map issues to the nearest certified vendor; awarded a USF Entrepreneurship & Innovation Hub microgrant.
- Family Tree Application — Lead Developer** Mar 2026 – Present
 - Architecting a full-stack Python application that models multi-generational lineages as interactive, node-based maps, using Claude and Cursor for debugging, refactoring, and automated unit testing.

TECHNICAL SKILLS

Languages: Python, SQL, TypeScript, JavaScript, Java, HTML/CSS
ML & AI: PyTorch, Scikit-learn, Machine Learning (Supervised, Unsupervised, Reinforcement), Generative AI/LLMs, Prompt Engineering
Data & Tools: Pandas, NumPy, PostgreSQL, MySQL, Snowflake, Tableau, Excel, Git
Engineering & Deployment: React, Next.js, Tailwind CSS, Vercel, API Integration, AI-Assisted Development (Claude, Cursor)