

ADITYA RAO

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Software Engineer, Machine Learning

Machine Learning Systems | Backend & Full-Stack | Python, TypeScript, SQL

EDUCATION

San Jose State University

Bachelor of Science in Computer Science, Honors

GPA: 3.81 | Cum Laude, Honors in Computer Science

Awards: HackMerced Hackathon Winner

San Jose, CA

May 2026

TECHNICAL SKILLS

ML / LLM: PyTorch, TensorFlow, Scikit-learn, XGBoost, Hugging Face, OpenCV, Braintrust, Langfuse

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

Product / Data: Next.js, React, GraphQL, Redis, Flask, Supabase, Auth0, Pandas, NumPy, PostgreSQL, Polars

Deployment: AWS (EC2, SageMaker), Docker, GitHub Actions, Elasticsearch, Git

EXPERIENCE

Software Engineer

June 2026 – Present

Series B Fintech

Remote

- Building the **agent harness** behind a B2C product's **AI assistant**; shipped an end-to-end **ML inference feature** across three repositories in five weeks behind staged flags.
- Chose the model provider with a **custom evaluation harness** after public benchmarks proved unrepresentative, using bootstrapped **95% confidence intervals** to break the tie on integration risk.

Founding AI Engineer

Feb. 2026 – June 2026

Stealth AI Startup (a16z-backed)

Remote

- Shipped an automated outreach feature handling email and social follow-ups for enterprise customers, plus a segment-discovery flow and profile editor, in **TypeScript** and **Next.js** on a team of under 10 engineers.
- As a forward-deployed founding engineer with on-call support, built **LLM-powered CRM integrations** and outreach features addressing enterprise customer needs.

Co-Founder & CTO

May 2025 – Present

Edtech Startup

San Jose, CA

- Built and led engineering for a full-stack ed-tech platform that teaches K–5 math through live sports statistics, combining AI-driven lesson generation, gamification, and CA standards-aligned content into a SaaS.
- Drove business traction with **3 California pilot schools committed** and strong engagement (14-minute average sessions, 2.5× ed-tech baseline, 90% parent intent), approached for major pre-seed investment.

Full Stack AI Engineer Intern

June 2025 – Aug. 2025

Sixfold AI (Series B)

New York, NY

- Built a **Next.js** mission control customer success app with **Auth0** authentication and **Langfuse** tracing, improving observability of LLM workflows while reducing evaluation time by **40%**.
- Developed an agentic RFC-to-POC prototype using **Claude Code CLI** and **Cursor CLI**, enabling senior engineers to iterate faster.

Software Engineering Consultant

Nov. 2024 – March 2025

Independent Client

Remote

- Built a **Flask** app used as an internal system by an entire content team, extracting video transcripts with a Mixtral LLM via the **Groq API**, cutting manual formatting time by **~80%**.

Founding Machine Learning Engineer

Aug. 2024 – Feb. 2025

HoopSight AI

San Jose, CA

- Founded a 5-person startup building an NBA prediction platform (**75+** users) on a self-built open-source dataset and a Random Forest model at **74% accuracy**, beating ESPN's picks and drawing investor interest at a regional showcase.

PROJECTS AND PAPERS

S&P 500 Forecasting Using Generative AI | Paper DOI Link

Sep. 2023 – Dec. 2023

- Published in the UC Merced Undergraduate Research Journal on a GPT-4 model for S&P 500 forecasting, since **cited by 2 peer-reviewed journals** with 300+ downloads.

nba_api Open-Source Contributor | GitHub Issue

2024

- Root-caused a data-integrity bug in a Python client with **1M+ downloads**; the **runtime warning maintainers shipped in v1.11.3 uses that example verbatim**.