

Pradyun Sathish

Los Angeles, CA | pradyunsathish@gmail.com | (818) 599-5714 | GitHub: pradyunsathish | LinkedIn: in/pradyunsathish

EDUCATION

University of California, Los Angeles (UCLA)

Expected Grad: June 2027

B.S. Statistics and Data Science, Minor in Data Science Engineering

GPA: 3.81

- **Relevant Coursework:** Monte Carlo Methods, Statistical Computation & Optimization, Machine Learning & Data Mining, Hierarchical Linear Models, Mathematical Statistics, Statistical Modeling, Probabilistic Decision Making

EXPERIENCE

Fidelity Investments | Investment Firm

Jersey City, NJ

Quantitative Risk Analysis Intern

Jun 2026-Aug 2026

- Validated a cross-asset factor model guiding a **\$3.4M** asset management pilot fund, improving model prediction accuracy in backtests by **23%**; evaluated portfolio optimization methodologies using Bloomberg and Haver data
- Replicated an intra-order transaction cost model for the Capital Markets division supporting **\$1.4B** in trading activity; performed variance analysis and slippage testing to reduce underestimation of trading costs by **12%** in future orders
- Presented model methodologies, risk assessments, and validation findings to model owners and senior leadership while collaborating with Quantitative Research and Investments, Asset Management, and Enterprise Risk teams

Plates | Music Marketing Intelligence Platform

Los Angeles, CA

AI/ML Intern

Sep 2026-Dec 2026

- Incoming Fall 2026 - AI Recommendation Systems & Product Intelligence

Mogul | Music Tech Startup with \$1B Portfolio

Los Angeles, CA

Data Science and Finance Intern

Jun 2025-Dec 2025

- Developed an investment analytics and optimization model to forecast future market valuation of music artists; identified **20+** high-potential artists, leading to **10+** new contracts and advance payments up to **\$60K**
- Enhanced artist valuation accuracy by **35%** with an advanced dynamic Excel yearly cash flow metric model
- Performed large-scale exploratory data analysis on **100+** artist royalty statements, **25+** licensing datasets, automating tasks that reduced financial review time by **40%** and supported over **\$2M** in contract negotiations

LLM at Scale.AI | Artificial Intelligence Consulting Firm

Los Angeles, CA

Generative AI Research Intern

Jun 2025-Sep 2025

- Designed a custom MCP framework in Python for PostgreSQL and MySQL database management; reduced reliance on SQL and BI tools by **70%**, utilizing OpenAI API and vector embeddings for CRUD operations
- Optimized database query performance by **150%** through embedding-based retrieval and AI model-driven query parsing; tripled data retrieval efficiency by integrating natural language processing for structured data
- Led a **6-member** team to the delivery of a research paper documenting MCP concepts, workflow, and framework implementation, increasing the efficiency of model integration into business workflows by **40%**

Warhorse Gear | Sports Technology Startup

Los Angeles, CA

Cofounder

Jan 2024-Present

- Led marketing and finance, achieving sales of **\$100,000+**, increasing brand reach by **120%**, and gaining **10,000+** active app users with user-targeted advertising, a data-driven marketing campaign, and social media
- Drove a **60%** sales increase and **80%** user engagement growth; leveraged A/B testing to develop product listings, brand advertisements, and refine the user interface with video modules for skill development

PROJECTS

Emporlink.com | AI-Powered B2B Supplier Sourcing Platform

Mar 2025

- Sourcing platform connecting private-label brands with U.S. suppliers, increasing buyer-supplier connection rates by **65%** and reducing sourcing time by **70%**; scaled to **1,000+** active users and **600** verified suppliers

Emerging Artists ROI Prediction Model | Predictive Financial Analytics Model

Jan 2025

- ROI forecast model to improve data-driven investment decisions for emerging artists by **25%**; used SQL for data processing, Python for time-series model development, and Tableau to build an interactive dashboard

SKILLS

Languages: Python, R, SQL, C++, C#, Java, JavaScript, Swift, HTML, CSS, Cisco IOS CLI

Libraries/Frameworks: Pandas, NumPy, PyTorch, AWS, scikit-learn, Matplotlib, Jupyter, React, Next.js

Tools & Databases: DBeaver, MySQL, PostgreSQL, Supabase, Tableau, Git, Figma

Financial & Market Data: Bloomberg Terminal, Haver Analytics, Bloomberg API, yfinance

Interests: Sports, poker, music, cooking, computer building, formula racing, video production, cafe hopping, travelling