

Anish Deshpande

+1 (669) 278-7811 | ad4652@columbia.edu | linkedin.com/in/anishd13 | anishdeshpande.com

EDUCATION

Columbia University

M.S. Artificial Intelligence (Finance and Operations), GPA: 3.75/4.0

New York, NY

Expected Dec 2027

University of California

Los Angeles - B.S. Statistics & Data Science, GPA: 3.75/4.0

Los Angeles, CA

Sep 2022 - Jun 2026

Coursework: Machine Learning, Optimization, Probability & Statistics, Monte Carlo Methods, Linear Algebra, C++, R Programming.

Activities: UCLA Cricket, DataRes Club.

WORK EXPERIENCE

San Francisco Unicorns

Los Altos, CA

Data Scientist / Sports Analyst

Jul 2025 - Aug 2026

- Developed a Bayesian win-probability & score projection model (PyMC, MCMC) trained on 18,000+ T20 matches, improving prediction accuracy by 15% and enabling real-time in-match risk assessment.
- Led a real-time Hawkeye analytics platform (Flask, PostgreSQL, Docker, AWS) deployed for live Major League Cricket matches; built low-latency ball-by-ball ingestion pipelines with Hawkeye engineers, negotiating prices and ensuring reliability.
- Engineered time-series pitch-condition models (swing decay, bounce estimation) and a gradient boosting pitch-type classifier (80% accuracy).
- Assembled a Streamlit draft-analytics platform scraping 100+ MiLC matches, cutting draft prep from days to hours.
- Created AI fan-engagement tools using over 3,000 matches' commentary data as a knowledge base, a live game simulator to test high-value events, and personalized daily podcasts (Gemini, Google TTS, ElevenLabs).
- Launched the "Ask the Analyst" Twitter agent as a precursor to Cricket Lens to enable real-time, context-aware cricket Q&A and fan engagement.

FarmX

Mountain View, CA

Data Science Intern

Jun 2024 - Sep 2024

- Constructed a Django/PostgreSQL/AWS soil-calibration platform for FarmX's soil moisture probes; analyzed 2,000+ factory calibrations to standardize probe behavior via Euclidean distance metrics, reducing analysis time by 50%.
- Automated soil field-capacity estimation from irrigation time-series via Savitzky-Golay filtering and clustering to identify moisture plateau points, informing farmers on how and when to water their plants.

Bruin Sports Analytics

Los Angeles, CA

Data Journalist

Oct 2022 - Jun 2023

- Authored 2 data-driven articles on MLB home run trends and evolution of T20 cricket strategy, conveyed opinions on the transformation of sports over time through compelling writing, and generated visuals for effective storytelling to broad audiences.

CANA Technologies

Redwood City, CA

Intern

Jun 2022 - Aug 2022

- Analyzed publicly available USDA beverage consumption datasets to identify consumer preferences and pricing trends from over 100,000 rows of data, building visuals and dashboards (ggplot2, R Markdown) to communicate findings with the technical team, allowing for optimization of cartridge contents for each flavor/mixture.

PROJECTS

Kalshi AI Market Maker for Cricket Games

Jun 2026 - Sep 2026

- Engineered an automated market-making bot on the Kalshi API (deployed on Render) utilizing proprietary Bayesian win-probability models, Kelly Criterion sizing, stop-loss logic, and statistical arbitrage.
- Backtested across 200+ matches optimizing Sharpe Ratio with strict train/test separation, achieving statistically significant returns ($p < 0.05$) and \$500+ realized profit within two months.

SKILLS

Languages: Python, SQL, R.

Machine Learning: PyMC, PyTorch, XGBoost, LightGBM, scikit-learn, Bayesian Modeling, MCMC, Time Series Analysis.

AI & LLMs: OpenAI API, Gemini API, FAISS, MCP, Claude Code, Cursor.

Frameworks and Tools: Flask, Streamlit, Django, PostgreSQL, Docker, AWS (EC2, S3), Git, GitHub, Render.

Certifications: Introduction to Model Context Protocol - Anthropic (2025) | Introduction to SQL - University of Michigan (2025).

Sports: Professional Minor League Cricket Player, USA Cricket West Zone Men's Player