

Anish Deshpande

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EDUCATION

Columbia University — M.S. Artificial Intelligence

New York, NY

Starting Sep 2026 - Expected Dec 2027

University of California, Los Angeles — B.S. Statistics & Data Science

Los Angeles, CA

Sep 2022 - Jun 2026 | GPA: 3.75/4.0

- Coursework: Machine Learning, Optimization, Probability & Statistics, Monte Carlo Methods, Linear Algebra, C++, R Programming
- Activities: UCLA Cricket, DataRes Club

EXPERIENCE

San Francisco Unicorns — 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.
- Built time-series pitch-condition models (swing decay, bounce estimation) and a gradient boosting pitch-type classifier (80% accuracy).
- Built a Streamlit draft-analytics platform scraping 100+ Minor League Cricket matches, cutting draft prep time from days to hours.
- Built 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 — Data Science Intern

Jun 2024 - Sep 2024

- Built 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.
- Automated soil field-capacity estimation from irrigation time-series using Savitzky-Golay filtering and clustering to identify moisture plateau points.

Bruin Sports Analytics — Data Journalist

Oct 2022 - Jun 2023

- Authored data-driven articles on MLB home run trends and the evolution of T20 cricket strategy.
- MLB home run trends article: bruinsportsanalytics.com/post/yankees-sixty-homers
- T20 cricket strategy evolution article: bruinsportsanalytics.com/post/cricket-ipl-evolution

CANA Technologies — Intern

Jun 2022 - Aug 2022

- Analyzed publicly available USDA beverage consumption datasets to identify consumer preferences and pricing trends, building visuals and dashboards (ggplot2, R Markdown) to communicate findings with the technical team, allowing them to optimize cartridge contents for each flavor/mixture.

PROJECTS

Kalshi AI Market Maker for Cricket Games

- Built an automated market-making bot on the Kalshi API (deployed on Render) using 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.

TECHNICAL 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, Model Context Protocol (MCP), Claude Code, Cursor

Frameworks & 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)

AWARDS & ACTIVITIES

Professional Minor League Cricket Player | USA Cricket West Zone Men's Player | UCLA Dean's Honors List