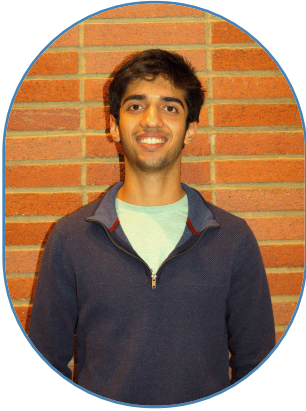


# Rishabh Gokhale

UCLA DATA SCIENCE | AI | MACHINE LEARNING | STATISTICAL MODELING



## Skills

Programming: Python, C++, Rust, R

Machine Learning: Regression, Feature Engineering, Cross-Validation, RMSE Optimization

Libraries: NumPy, pandas, matplotlib

AI: LLM evaluation, RAG testing, prompt engineering

Tools: Git, Linux, Jupyter

## Profiles

[github.com/Rishabh1chess](https://github.com/Rishabh1chess)

[linkedin.com/in/rishabh-gokhale](https://www.linkedin.com/in/rishabh-gokhale)

## Contact

Email: [rishbruin@g.ucla.edu](mailto:rishbruin@g.ucla.edu)

## EDUCATION

June, 2027 **B.S. in Data Science**

UNIVERSITY OF CALIFORNIA, LOS ANGELES

📍 LOS ANGELES, CA, USA

Relevant Coursework: Linear Algebra (Math 115A), Real Analysis (Math 131A), Regression and Statistical Modeling (Stats 101A, 101B), Probability (Stats 100A, 100B), Data-Driven mathematical modeling (Math 42)

## PROFESSIONAL EXPERIENCE

2025 – Present **Data Analytics Intern**

STEALTH STARTUP

- Evaluated large language models and RAG systems using Claude APIs
- Identified 15+ retrieval edge cases impacting model accuracy
- Developed automated evaluation pipelines using Rust, Git, and Linux workflows

2024 **Teaching Assistant in Math and Coding**

DE ANZA COLLEGE

📍 CUPERTINO, CA, USA

- Mentored 36 students in Integration techniques, C++, and statistical modeling.
- Developed C++ code for students to improve runtime efficiency.

## AWARDS & ACHIEVEMENTS

2023 **National Master Title**

US CHESS FEDERATION

📍 UNITED STATES OF AMERICA

- 15+ years competitive chess experience
- Advanced analytical reasoning and strategic decision-making under time constraints.
- International Master(IM) Norm Achievement.
- Chess Simultaneous Exhibitions - Played 25 players simultaneously and won all.

2025 **Gave an interview on chess and studies parallels:**

<https://shorturl.at/2ZQ9o>

## PROJECTS

2026 **Workforce Dynamics Modeling – Statistical Simulation**

UNIVERSITY OF CALIFORNIA, LOS ANGELES

- Implemented Markov transition model simulating workforce promotion and attrition
- Ran simulations to analyze long-term workforce distribution and system stability
- Built Python pipelines for data preprocessing and model evaluation

2026 **Housing Price Prediction – Machine Learning**

Developed machine learning models in Python to minimize RMSE for housing price prediction.

- Engineered predictive features and applied data preprocessing techniques.
- Evaluated models using cross-validation and performance metrics.
- Optimized model parameters to improve predictive accuracy.

2025 **Golf Swing & Trajectory Modeling - Mathematical Simulation**

Developed physics-based model estimating golf ball trajectory using differential equations.

- Modeled swing mechanics using double-pendulum system
- Simulated projectile motion and environmental conditions
- Implemented numerical computations to estimate carry distance
- Grade: A+ : View full paper: <https://shorturl.at/KEdSx>