

# Aditya Krishna

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## EDUCATION

### THE UNIVERSITY OF CHICAGO

Chicago, IL

*Bachelor of Art in Mathematics, Bachelor of Art in Linguistics*

June 2024

Relevant Coursework (*Graduate Coursework marked with a \**): Agentic Language Models\*, Human-Centered Machine Learning\*, Abstract Linear Algebra, Discrete Mathematics, Computational Linguistics\*, Set Theory\*, Algebra

## SKILLS

**Technical:** Proficient in Python, C, Microsoft Office; Experienced in JavaScript, CoreNLP, LangChain

**Language:** Fluent in French, Proficient in Swahili

## WORK EXPERIENCE

**Researcher at the Institut Jean Nicod, École Normale Supérieure**

Paris, France

*Research Assistant*

March 2024 – July 2024

- Explored the verb 'forget', addressing gaps between its typical definition and natural language usage. Developed new frameworks to capture its nuanced semantics and pragmatics using theoretical and data-driven methods

**Chicago Human+AI Lab (CHAI), University of Chicago**

Chicago, IL

*Research Assistant*

June 2023 – September 2023

- Designed and helped implement a project aiming to leverage large language model agents to create a platform where experimental democratic processes could be tested and bolstered. Implemented new methods of consensus and governance (such as sortition and citizen's assemblies) using large language models
- Fine-tuned and red teamed the model to reduce bias and hallucination in the model

## VOLUNTEERING

**Moneythink**

Chicago, IL

*Teacher/Mentor*

September 2019 – June 2024

- Served as a near-peer role model, college mentor, and financial coach to low-income teens in high school classrooms within the Chicago area

**TeCanal**

Baltimore, MD

*Head Coordinator/Head Instructor*

August 2016 – September 2020

- Taught coding to 100+ students at Tench Tilghman Elementary School, Immigration Outreach Service Center, John Ruhrah Elementary School, and the Mattie B. Uzzle Outreach Center
- Managed all administrative responsibilities on-site, opened two new outreach locations

## LEADERSHIP AND ACTIVITIES

**The Blue Chips**

Chicago, IL

*Analyst*

September 2019 – June 2024

- The Blue Chips is the University of Chicago's premier investment club. Part of a group of undergraduate students who actively manage a \$150,000 fundamental value-focused equity portfolio
- Researched and created models about firms and pitched companies using a value-focused framework of analysis

**International Economics Olympiad Gold Medal**

Moscow, Russia

*U.S. Team Member*

July 2019

- Competed in the IEO, where I won a gold medal competing against 131 students from all over the world. We were evaluated by a group of professors on our economic understanding and the Russian minister of transport on our proposed plans for the implementation of a high-speed rail system

## INTERESTS

Academic: Linguistics, Philosophy (Existentialism, Phenomenology, Philosophy of Language, AI Ethics)

Hobbies: Climbing (Bouldering), Chess, Film, Molecular Gastronomy