

Madhavendra Thakur

Trinity School | 11th Grade - Class of 2026

madhavendra.thakur@gmail.com

Awards and Certificates

Team USA, RoboCup Jr. World Championship 2024

Led team to be one of 2 to represent US at world's largest robotics and AI competition

Presenter, RegML @ NeurIPS 2024

Presented novel work at leading ML conference

AIME Qualifier With Distinction 2023

Semifinalist, International Research Olympiad 2023

Top 100 young scientists from across the world

Non-Trivial Finalist 2023

Finalist (<3%) of Non-Trivial Fellowship.

Co-Curricular Activities

Trinity Robotics 2022-

Captain

Took a team that had never advanced past regionals to the world championships. Mentored robotics teams in South Africa.

Academic Quiz Bowl 2022-

Captain

Took team that had never competed before to the National Scholastic Championships

Competitive Coding Team 2023-

President

Taught courses on data structures and algorithmic thinking, qualified for the national finals of the US Informatics Olympiad in Teams

TrinLabs 2022-

Vice President, Systems Developer

Created centralized app for 50+ school clubs and announcements

JV/Varsity Water Polo 2022-

Education

Columbia Science Honors Program 2024-

Attend university classes at Columbia University

Math-M-Addicts 2018-2024

Attending highly selective, rigorous weekly mathematics program

Technology: Lab to Market, HarvardX 2022

I'm deeply interested in AI, particularly in AI safety, governance, its societal impacts, and diverse applications ranging from linguistics to biology. Beyond AI, I enjoy exploring various fields, emphasizing effective communication, leadership, and creating a meaningful impact for as many people as possible

Publications + Projects

Author [Towards Data Governance of Frontier AI Models](#) (NeurIPS)

First Author [Opportunities and Challenges of Synthetic Data](#)

[Governance](#) (HAIC @ ICLR)

First Author [Single Cell Transcriptomics Reveal Genomic Indicators of Nonalcoholic Fatty Liver Disease](#) (Future of Biology @ Harvard +

MIT)

First Author [Towards Neural No-Resource Language Translation: A Comparative Evaluation of Approaches](#) (Columbia AI Summit)

Creator [Liver Annotation: ML for liver scRNA-seq annotation](#)

Creator [CogniTest: An AI Powered Web App For Rapid, On-The-Spot Diagnosis of Traumatic Brain Injury](#)

Contributor [Lakera GenAI Security Readiness Report 2024](#)

Internship and Work Experience

Chu Laboratory, Icahn School of Medicine 2023-

Research Intern

Bioinformatics intern developing ML tools and conducting in-silico research on novel therapies for liver disease in pediatric hepatology lab. Ran PCRs and worked with zebrafish to test hypothesis

Schelling Research 2024-

Research Assistant

Conducting impactful quantitative economics + AI Safety research. Allocated \$1M in funding for high-impact political client.

Microsoft (Azure Apps + Services) 2024

Mentee + Intern

Conducted comprehensive research on AI Strategies of ISVs and digital native companies, aligning them with Microsoft's vision

American India Foundation 2023-

Youth Ambassador

Soliciting funds to support maternal health in vulnerable communities. Won AIF's "Heart of Service" award for outstanding dedication.

Model Evaluation & Threat Research (METR) 2025-

Benchmarker

Creating software engineering and ML benchmarks for frontier LLMs

Vaach.org 2024-

Founder

Created and programmed online platform for endangered languages to establish an online presence. Working with language communities from North America, Europe and Asia

Web App Developer 2022-

Created 4 Chrome extensions with 500+ weekly active users

