# Arjun Yadav

# arjun@arjunyadav.net

#### Website ♂ LinkedIn ♂ GitHub ♂

#### Education

## The University of Manchester

Sep 2024 – Present

BSc (Hons) Computer Science

Manchester, United Kingdom

Delhi Private School, Sharjah

Apr 2010 – Apr 2024

Physics, Chemistry, Mathematics, Computer Science and English Activities and Societies: Sharjah, United Arab Emirates

- Co-founded and co-facilitated three editions of the Society of Logic and Rationality in Students the UAE's premier high school logic and rationality club.
- Active member of the MUN school team.
- Leader of the school's Python club (PyTech) after 2023: taught Python to middle schoolers and organised the school's Inter-House Hackathon for 2023.
- Active member of the school's environment club (EcoGen).

Student Council and Leadership Roles: Vice Head Boy for 2023-24 and Head of Events - EcoGen for 2023-24. Formerly Coordinator - Environment during my junior year.

#### Experience

#### **Chief Technical Officer**

Aug 2024 – Present

Feed Forward

- Collaborated to develop a platform facilitating easy food donations by connecting households and businesses with those in need.
- Contributed to building and refining the service's infrastructure, ensuring seamless user experience and efficient food collection logistics.

#### Partnerships Team

Aug 2024 – Present

Kickstart Global

- Part of the Partnerships Team at the UK's first cross-university incubator, focused on identifying and supporting the top 0.03% of early-stage startup talent from universities.
- Engaged in establishing partnerships with societies and start-ups across the UK in-order to identify top talent across the country.

#### Deep Tech Intern

Aug 2024

Arrayah

- Interned at Arrayah, a hacker space in Dubai backed by The Residency.
- Worked alongside Hriday Talur on developing Offline Streaming Systems and Feed Forward.

#### Member

Apr 2024 - Aug 2024

Horizon Omega

- Formerly an active member of Horizon Omega, a registered non-profit that aims to be a platform that accelerates AI safety research by facilitating high-impact projects and connecting experts, researchers, and professionals.
- I was further part of the Horizon Events team and previously a host of the Provable AI Safety Seminars.

Team Member Nov 2023 – Aug 2024

Offline Streaming Systems

• Member of Offline Streaming Solutions, an organisation that aims to provide offline streaming capabilities to the masses.

• Selected to the Middle East Deep Tech Hacker Space to work on this further.

#### Committee Member and Volunteer

Jan 2023 – Aug 2024

OptX

• Volunteered for three events for Opportunities to Expand: a symposium between a surgeon + astrophysics professor and students, UAE AID volunteering for victims of the 2023 Turkey-Syria Earthquake, an Iftar distribution campaign in Dubai.

• Played a major role in research and development and in organising said events.

Co-Founder Dec 2022 – Jul 2024

EA UAE

 Co-founded the UAE's national EA group in late 2022 - helping to bridge the gap between EA AUS and EA NYUAD.

Fellow Feb 2024 – Jul 2024

AI Safety Fundamentals

- Selected to the AI Safety Fundamentals: Governance Course in April 2024.
- Selected to the AI Safety Fundamentals: Alignment Course in February 2024.

#### Research Collaborator

Dec 2023 - Jul 2024

Dioptra

- Formerly part of the general intelligence benchmark team, helping on projects related to machine learning safety and interpretability.
- Led to my first publication as a co-author!

#### **Blog Writer and Editor**

Jul 2023 – Jun 2024

Ocean Busters

• Worked with an international non-profit by writing and proofreading posts relating to the issue of ocean pollution.

Developer Dec 2023 – May 2024

AI Plans

• Formerly an active member of the AI Plans development team, working primarily with the front-end and database management.

Inductee Dec 2023 – May 2024

AI Safety Camp

- Was an inductee to AI Safety Camp 2024, where I worked on Project 29: Organise the next Virtual AI Safety Unconference.
- The project itself led to the Virtual AI Safety Unconference (VAISU) 2024, which had over 40 in-depth
  and intriguing talks with speakers all across the world, with hundreds of participants also joining in
  internationally.

Research Assistant Jun 2023 – Dec 2023

American University of Sharjah

- Worked with Mr Ali Reza Sajun and Dr Imran A. Zualkernan at the CSE department on the issue of ghost images using efficient transformers.
- Learnt about transformers, semi-supervised learning and more.

#### Student Moderator - Metaverse Committee

Sep 2023 - Oct 2023

Project: Unboxed

• Moderated the metaverse committee of Project: Unboxed, a youth mental-health conclave hosted at Delhi Private School, Sharjah to a successful plan-of-action.

## **Event Organiser**

May 2023 - Sep 2023

TEDxYouth@DPSS 2023

 Worked extensively with our media and outreach teams to organise the successful second edition of TEDx at Delhi Private School, Sharjah!

## Co-Resource Head - Earth and Climate Change Council

Dec 2022 - May 2023

Youth Global Solutions Summit

- Helped to develop the agenda for the council, review pre-summit papers and, in general, oversee the flow of the two days of fruitful debate.
- Won best council for our work.

Beta Reader Jan 2022 – Jan 2023

Cold Takes

- Beta reader for Cold Takes, a blog by the co-founder and co-CEO of Open Philanthropy, Holden Karnofsky.
- Learnt more about the art of giving constructive criticism and got the privilege to see exemplary philosophy and AI safety content early.

# Design and Research

Jul 2022 - Sep 2022

EAGxIndia

- Created mock-ups for the event's landing page.
- Worked on mapping document highlighting EA communities in Asia.
- · Learnt "soft skills" such as using Slack effectively and how Asana works
- Overall, became a much better communicator and designer.

Facilitator Jul 2022 – Sep 2022

Effective Altruism Virtual Programs

Facilitated the In-depth fellowship offered by EA Virtual Programs. Earned an average rating of 8.4 out
of 10 from my cohort.

## Front-end Developer and Data Visualizer

Oct 2021 - Apr 2022

Effective Altruism Data, Legal Priorities Project

- Worked with a data scientist from New Zealand to help redesign an EA data visualizer.
- Worked with Legal Priorities Project for data visualization for their paper, "Protecting future generations".
- Learnt about Dash and Plotly with Python, as well as got more familiar with the Git workflow.
- Learnt more about matplotlib from work with Legal Priorities Project.

## Awards & Honors

1waras & 110nors	
Outstanding Student Leadership Award	
Delhi Private School, Sharjah	Jun 2024
Outstanding Delegate - United Nations Office on Drugs and Crime	
DXBMUN'23	Dec 2023
Best Delegate - United Nations Special Committee on Peacekeeping Operations	
NMSMUN'23	Oct 2023
Open Philanthropy Consolation Prize	
Open Philanthropy	Oct 2023
AP Scholar	
College Board	Jul 2023
Best Speaker - United Nations Office for Outer Space Affairs	
GFSMUN III	Jun 2023
Best Speaker - For-side - Inter-House Debate	
Delhi Private School, Sharjah	May 2023

Second Rank - Euclid Mathematics Contest	
University of Waterloo	May 2023
Youth Global Solutions Summit - Best Council	
Delhi Private School, Sharjah	May 2023
Second Round - 10th National Math Contest	
Abu Dhabi University, Al Ain	Mar 2023
First Position - Essay Writing Competition	
Delhi Private School, Sharjah	Jan 2023
Team Leader of Winning Hackathon Team - Senior Category	
Sharjah and N. Emirates Chapter of Code Battle Hackathon	Nov 2022
First-place Senior Category	
ATLAB Well-being App Development Competition	2020
Best and Outstanding Delegate	
Stay Home Model UN 4.0, Woodlem Summit'20 and Stay Home Model UN 8.0	2020, 2020, 2021
KENKEN - 2x Silver Medal Holder	
KENKEN UAE	2019, 2020

## Skills and Knowledge

Programming and Markup Languages: Knowledgeable in Python, JavaScript, Java and LaTeX.

Python Modules: Knowledgeable in Dash, Plotly, NumPy and matplotlib.

JavaScript Frameworks: Knowledgeable in React.js and Next.js.

**Mathematics**: Certified in Linear Algebra and Multivariate Calculus through the Mathematics for Machine Learning course offered by Imperial College London.

AI Safety: Taught AI safety to my fellow seniors during the Summer of 2023, and I possess certification for my skills via the Intro to ML course by the Center for AI Safety

## Other Interests

**Public Speaking and Debating:** Experienced in Model UN procedures, 2x Best Delegate, 1x Best Speaker, 1x Outstanding Delegate and 1x Honourable Mention.

Effective Altruism: Proficient in knowledge relating to Effective Altruism. Facilitated Effective Altruism Virtual Programs' In-Depth EA Program and attended EAGxOxford 2022.

AI Safety: I have been learning independently about AI safety since the Summer of 2023, I write about my new-found knowledge at https://arjunyadav.net/notebook.

Environmental Awareness: Helped to conduct and coordinate events relating to raising awareness on climate change, combating climate denialism, etc.

## **Publications**

## GameBench: Evaluating Strategic Reasoning Abilities of LLM Agents ♂

Anthony Costarelli, Mat Allen, Roman Hauksson, Grace Sodunke, Suhas Hariharan, Carlson Cheng, Wenjie Li, Arjun Yadav