Harish Chandran

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EDUCATION

Duke University — Bachelor of Science, Computer Science — May 2029
Bachelor of Science, Mathematics — GPA: 4.0

Relevant Coursework: Multivariable Calculus (A+), Differential Equations (A), Data Structures & Algorithms (A), NLP (Graduate)

EXPERIENCE

Duke Natural Language Processing Lab - *AI Researcher;* Remote — Oct 2025 - Present
- Studying reasoning degradation to determine the ECW of LLMs and creating a benchmark to measure context rot.

Non-Trivial Fellowship - *AI Researcher;* Remote — Feb 2025 - May 2025
- Focused on international artificial general intelligence (AGI) governance and AI safety research.
- Researched the impact of AI on developing economies and how AGI can assist third-world countries.

Samsung - *Business Operations and Technology Intern;* Plano, Texas — May 2024 - Aug 2024
- First ever high school intern (0.25% acceptance rate) at Samsung (with recommendation from Plano Mayor John B. Muns).
- Implemented **Multinomial Naive Bayes classifier** for repair data and proposed loaner phone pilot program.

Quest Research Institute - *Computational Science Researcher;* Remote — May 2023 - Aug 2023
- Researched Phenylketonuria (PKU) missense mutations using **Python scripts** for molecular dynamics simulations.
- Wrote **Linux Bash** and **TCL scripts** to run batch data analysis on the ANVIL supercomputer.

University of Texas at Dallas - *Machine Learning Researcher;* Dallas, Texas — May 2022 - Aug 2022
- Implemented **CNN-based classification algorithms** for medical imaging diagnostics.
- Used regression analysis (**linear and logistic regression**) for smart health records.

PROJECTS

AI Governance: A Novel Framework for AGI Implementation in Developing Economies — Feb 2025 - Aug 2025
- Conducted statistical analysis of economic data to develop statistical indicators of AI-based development.

A Novel Drug Discovery Pipeline to Identify Targetable Transient Pockets in Rare Diseases — May 2023 - Mar 2025
- Developed novel therapeutic pipeline that streamlines target identification using MD simulations.
- The developed pipeline is applicable to 80% of rare diseases (with, on average, a 40x increase in efficiency).

LEADERSHIP EXPERIENCE AND ACTIVITIES

Altruato - *Founder* — Mar 2023 - Dec 2025
- Developed data aggregation and enrichment platform with CRM tools for academia.
- Developed frontend using **React & Next**, and backend using **SQL and Supabase**.
- Coordinating meetings with billion-dollar pre-seed and seed investors like the Dorm Room Fund, Contrary, and S3 Ventures.

Technify @ Duke - *Full-stack Software Engineer* — Oct 2025 - Present
- Building websites for non-profit organizations around the world through pro-bono tech consulting.
- Used **React** for frontend development, **Node + Express** for backend development.

HONORS

- Coca-Cola Scholarship Semifinalist (1% acceptance rate) — Oct 2024
- Non-Trivial Fellowship Finalist (3% acceptance rate) — May 2024
- 4th & 6th (out of 1000+) - Best of Texas - Computer Science Competition **(Java)** — Feb 2024, Feb 2025
- 15th in Nation - Indigo Coding Competition **(C++)** — Mar 2025
- 2x American Invitational Mathematics Examination (AIME) Qualifier — Nov 2023, Nov 2024
- Bronze at the National High School Chess Championship — Apr 2022

ADDITIONAL INFORMATION

Technical Skills: C, C++, Python, Java, React, Machine Learning, Molecular Dynamics, Linux Bash Scripting, Pytorch, TensorFlow
Interests: Machine Learning, NLP, AI Alignment, AI Governance
Publications: Governing Automated Strategic Intelligence (2025)