

Aditya Radhakrishnan

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EDUCATION

Georgia Institute of Technology

B.S. & M.S. Computer Science

May 2026

GPA: 3.94/4.0

EXPERIENCE

Carnegie Mellon University | *Machine Learning Intern*

Sep. 2022 – Present

- Created novel GAN-based deep learning approach for the first-ever synthesis of cardiac motion from ECG.
- 25x cheaper than imaging-derived cardiac motion, yet indistinguishable to experts in visual Turing test.
- 60% reduction in cardiac ultrasounds, 19% more reliable diagnosis for LV dysfunction vs. established standard.
- Synthetic cardiac motion unlocks crucial AI interpretability where previous leading deep learning models failed.
- Recognized by American Society of Echocardiography as one of America's top four researchers under the age of 40.

Georgia Institute of Technology | *Student Researcher*

Apr. 2024 – Present

- At PAIR lab, developing geometrically-aware LLM-based reward function design for robotics foundation models.
- Developed skill learning pipeline with RL and a real-time vision-language system deployable in both sim and real.
- Refined vision pipeline to reduce training costs by 3.5x while enabling improved spatial reasoning.

Hewlett Packard Enterprise | *Intern*

May 2023 – Aug. 2023, Jun. 2024 – Aug. 2024

- Architected and built a series of applications and deep learning models to automate the processing of legal text.
- Over \$1 million of direct combined annual savings, previously allocated for a specialized IP legal team.
- At 98%+ accuracy, marked the company's first success; now a trade secret used worldwide as production software.
- Built autonomous, LLM-based pipeline to train specialized, efficient models without extensive human annotation.
- Developed API to enable scalable enterprise-wide deployment of the new language processing models.

Pharmaceutical Startup | *Research Intern*

Jun. 2022 – Aug. 2022

- Led the statistical analysis for a clinical trial of a pharmaceutical product aimed to mitigate antibiotic resistance.
- Developed new disease-agnostic severity metrics to compare different drug variants across various illnesses.
- First author in publication to *Infection and Drug Resistance*.

Carnegie Mellon University | *Machine Learning Intern*

Jul. 2020 – Feb. 2021

- Developed ML models for the first vital sign-based COVID and influenza discriminator, a frontline screening need.
- Models achieved AUC scores of at least 97%+ on external patient sets, demonstrating exceptional reliability.
- Co-authored a publication to *npj Digital Medicine*.

ORGANIZATIONS

Coalition Against Computer Programming | *Founder, Etceterary, Former President*

Dec. 2021 – Present

- Founded a student organization for satirical "activism" against programming, attracting hundreds of participants.
- Served as a strategy for charity fundraising, with events raising thousands of dollars to support global health.
- Advised and supported students at other universities across the US in establishing their own chapters.

SKILLS

Languages: Python, C, Java, HTML, CSS, JavaScript, SQL, PHP

Frameworks/Tools: PyTorch, TensorFlow, scikit-learn, HuggingFace, NumPy, SciPy, pandas, Matplotlib, Flask, Node.js, React

AWARDS & RECOGNITION

American Society of Echocardiography Top 4 Young Investigator (YIA), USAID Digital for Development award, Intel ISEF Grand Award, Google Science Fair Finalist for Asia-Pacific, Regeneron ISEF International Finalist, NASA Space Apps Global Finalist, 1st Prize at Georgia Tech Capstone Expo, and 3x Faculty Honors.