



HOW YRI PRODUCES RESEARCH CHAMPIONS

REAL STORIES. REAL PUBLICATIONS. REAL IMPACT.



CASE STUDIES | 2025

FROM DIRECTIONLESS PROJECT TO 1ST PLACE AT JSHS

1

BEFORE YRI

- Aryan had a half-baked idea about emissions and AI, but no idea how to convert it into an award-winning research paper.
- He lacked structure, clarity, and competitive polish.

AFTER YRI

- 1st Place, Environmental Sciences at JSHS
- Presented at top-tier research conferences
- Developed a deep learning pipeline to estimate CO₂ emissions from power plants using satellite data.
- Achieved:
 - 92% fossil fuel classification accuracy
 - CO₂ regression $R^2 = 0.824$
 - Segmentation IoU = 0.841
 - Paper submitted for publication

ARYAN JAIN



2

HOW YRI HELPED

- Ishan broke his entire project down within one call
 - Personally helped him rework his model architecture, create competitive visuals, and coach him on paper formatting and presentation.
- Aryan worked 1-on-1 with a PhD in AI + climate, selected by us.
- Ishan oversaw every version of the paper until it was perfect for submission.
- Testimonial:
 - "In the first 10 minutes of our call, Ishan completely changed the way I approached my project. I wouldn't have achieved these results without YRI."

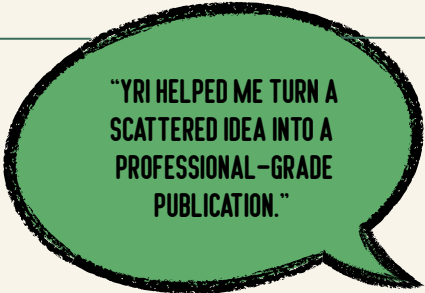
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ARYAN JAIN'S WINS



1

QUOTE

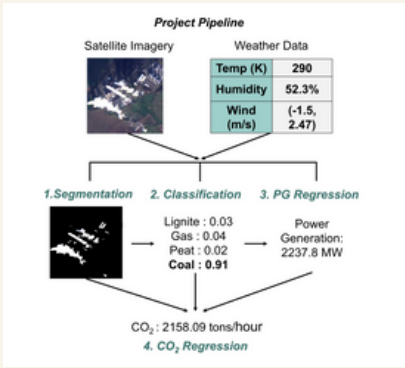


ARYAN JAIN



2

AWARDS



3

TIMELINE

DEEP LEARNING MODEL

IDEA

JSHS 1ST PLACE

YRI

PAPER

FROM CURIOUS STUDENT TO ISEF FINALIST WITH MULTIPLE JOURNAL PUBLICATIONS

BEFORE YRI

1

Neeraj was passionate about cardiovascular science but lacked guidance on how to publish, compete, or even start a proper project.

NEERAJ RATTEHALLI



AFTER YRI

2

- ISEF Finalist (Top 0.001% of students globally).
- Published in JACC: Cardiovascular Imaging.
- Created a deep learning model to simulate tracing/view errors in heart scans.
- Showed that slight human errors can cause >10% misdiagnosis rate for heart failure.
- Implications for AI in clinical diagnostics.

HOW YRI HELPED

3

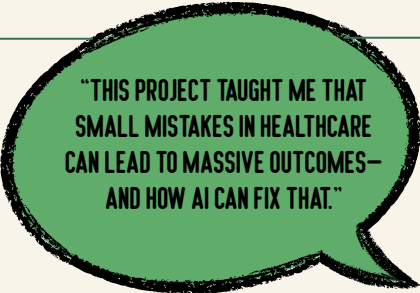
- Neeraj worked 1-on-1 with a Stanford MD + AI mentor. Ishan personally oversaw the idea, model design, and helped him write an impactful manuscript.
- Helped him simulate over 970,000+ variations of heart imaging to publish statistically significant results.
- Ishan coached him on how to pitch this to ISEF and publication reviewers.
- Testimonial:
 - "YRI gave me the structure, the mentor, and the coaching to take my research to the global stage. I couldn't have done this alone."

NEERAJ RATTEHALLI'S WINS

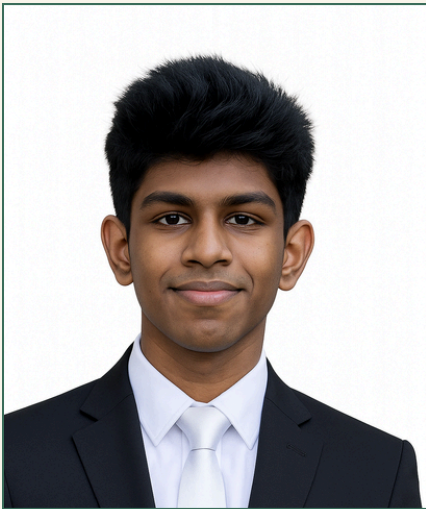


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QUOTE

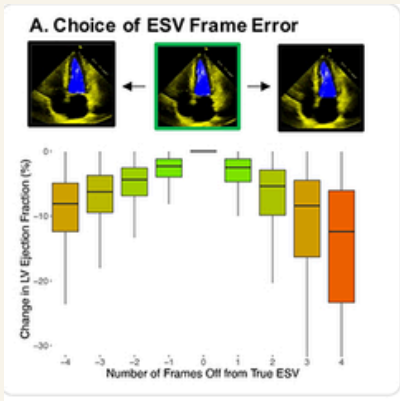


NEERAJ RATTEHALLI



AWARDS

2



TIMELINE

3

INTEREST

DEEP LEARNING
SIMULATIONS

ISEF FINALS

YRI

JACC
PUBLICATIONS

WANT RESULTS LIKE ARYAN AND NEERAJ?



JOIN THE #1 RESEARCH MENTORSHIP PROGRAM FOR HIGH SCHOOL STUDENTS—TAKE YOUR IDEAS FROM SPARK TO SPOTLIGHT.

WHAT YOU GET WITH YRI

- 1-ON-1 GUIDANCE FROM PHDS, MDS, AND PUBLISHED RESEARCHERS.
- CUSTOMIZED MENTORSHIP TO BUILD A HIGH-IMPACT, ORIGINAL PROJECT.
- COACHING ON WRITING, SUBMISSION, AND COMPETITION STRATEGY.
- PROVEN SUCCESS AT ISEF, JSHS, TOP JOURNALS, AND BEYOND.

WANT TO GET STARTED?

- APPLY NOW: [HTTPS://YRISCIENCE.COM](https://yriscience.com)
- QUESTIONS? DM US OR EMAIL: ISHAN@YRISCIENCE.COM