

INSIGHTS AND BLOGS

- [Adithya's blog profile](#)
- [Bernards Township Community Activity](#)
- [Internet Day](#)
- [Snapping Safely](#)
- [CyberSavvy AI tips](#)
- [Seasonal cyber tips-Part IV \(2024\)](#)
- [Biomimicry](#)
- [Space age telecommunications](#)
- [Insurance and Cybersecurity](#)
- [Seasonal cyber tips-Part III \(2023\)](#)
- [Seasonal cyber tips-Part II \(2022\)](#)
- [Seasonal cyber tips-Part I \(2022\)](#)

ACCOMPLISHMENTS

Navy Horizons STEM Research Essay (2023, 2024 Winner) - Conducted in-depth research on AI applications in defense, proposing innovative frameworks for ethical AI deployment, recognized for originality and depth of analysis.

League of Women Voters YVote Essay Contest (2024 Winner) - Developed a persuasive essay on youth engagement in democracy, praised for impactful arguments and civic awareness.

American Indian Association South Jersey (2023 Winner) - Authored a compelling essay on Gandhi's principles and their relevance in modern socio-political contexts, awarded for clarity of thought and cultural insights.

TEAMWORK & LEADERSHIP

Alliance of Youth Leaders in the US (2022-Present)

Led national youth initiatives, workshops in the community with over 200 student attendees.

World Language Club-Communications volunteer (2022-Present)

Organized cultural events and language exchanges, boosting member engagement by 25%.

NJ Science League (2023-Present)

Competed in state-level chemistry contests; ranked in the top 10% consistently.

Tennis Volunteer Coach (2023-Present)

Coached youth players, improving skills and ranking by 30%.

Cyberseniors & Cybersavvy Kids-Awareness Advocates (2023)

Led digital literacy workshops for kids and seniors across community with over 100 participants.

Big Sibling Mentor (2022)

Mentored younger students, fostering academic and personal growth.

Upachieve - STEM Tutor (2022)

Tutored underprivileged kids, enhancing their academic performance with grade improvements by 40%.

ADITHYA BHARATH

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SUMMARY

Curious, competitive, and determined self-starter with a strong foundation in STEM, dabbling in AI, structural and material robotics, and cybersecurity. Proven ability to blend creative problem-solving with technical skills to explore innovative solutions, from designing AI-driven models to researching biomimetic robotics. Passionate about leveraging technology to address societal challenges, demonstrated through leadership roles, competitive achievements, research publications, while breaking it all down for everyday consumption.

ACADEMIC AND RESEARCH EXPERIENCE

Ridge High School

(2022- 2026)

Principal Honor Roll with a weighted GPA of 4.56. Completed Honors and AP courses in English, STEM, AP Computer Science (Score: 5), and Robotics electives.

John Hopkins University

(June 2024)

Engineering Innovation (EEI) Summer program

Studied core engineering disciplines: materials science, civil, chemical, mechanical, and electrical/computer engineering. Achieved Grade A-

Skills: Analysis, Synthesis and Evaluation of data, physical modeling

Wake Forest University

(December 2023)

Business: Strategy & Innovation

Completed coursework on business strategy, innovation tools, and competitive analysis. Developed a market strategy for Tesla, including a SWOT analysis and infographic presentation.

Skills: Marketing research , Use case Analysis, Google Slides Presentation

Polygence

(June 2023 - December 2023)

Focused guided Research

[Curieux Academic Journal published my research paper](#) on Biomimetics in Robotics, focusing on designing efficient space suits to mimic biological characteristics for enhanced performance in extraterrestrial environments.

Skills: Cross-discipline research, research interview skills

United Nations Institute of Training and Research (July 2023- August 2023)

Gained skills to navigate global complexities and drive positive impact through an intensive online team learning sessions and collaborative training program.

Skills: Leadership skills, international affairs, defining sustainable goals

Rutgers- Waksman Student Scholars Program

(June 2023 - Aug 2023)

Conducted in-person lab work over a 3 weeks including PCR, gel electrophoresis, restriction digest, and gene analysis using bioinformatics tools like BLAST. [Gene analysis published to NCBJ](#)

Skills: Labwork, computer modeling, data entry and analysis

Inspirit AI -Scholars Program

(June 2021-August 2021)

Completed modules in Artificial Intelligence, Machine Learning, NLP, Computer Vision, and AI Ethics.

Skills: Python, Machine Learning, Data Analysis, Bioinformatics.