

Ananya Tyagi

BSc (Hons) Physics & Mathematics | University of Manchester (2024–2027)
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About Me

- Physics & Mathematics student with strong interests in theoretical physics, astrophysics, and problem-solving. Experienced in research, STEM workshops, and website development. Skilled in analytical thinking, teamwork, communication, and community engagement.
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Education

University of Manchester, UK – BSc (Hons) Physics & Mathematics (2024–2027)
Greenwood High International School, India – High School Diploma (2017–2024)

- Class 12: A* Physics, Chemistry, Mathematics
 - Class 10 (IGCSE): A* Mathematics; A Physics & Chemistry
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Research / Projects

- **Physics of Water Management, Chennai (2023)** – Independent research on urban water systems; strengthened data analysis and scientific writing skills
 - **Plantation Site Impact Assessment, Brillio CSR (2025)** – Evaluated plantation survival & sustainability outcomes; authored report
 - **Personal Website Development (2025)** – Built professional portfolio site using HTML, CSS; showcases achievements and skills
 - **STEM Workshop for Government School Students (2025)** – Conducted hands-on STEM & model-making sessions
 - **Math Club (2017–2022)** – Participated in problem-solving challenges; organized peer learning sessions
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Internship Experience

Brillio – CSR Department Intern (2025)

- Judged cluster & zonal rounds of National STEM Challenge; assisted jury and coordinated finalists
 - Managed model displays, event-day communications, press releases, and speeches
 - Conducted hands-on STEM training sessions for government school students
 - Authored assessment report on plantation sites to evaluate survival and maintenance outcomes
 - Captured events through photography, videography, and social media updates
 - Strengthened event coordination, content creation, stakeholder management, and teamwork skills
 - Anchored the India CSR and Sustainability Conference & Awards. Hosted sessions with corporate leaders and policymakers, engaging the audience through interactive facilitation.
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Skills

- Event Coordination | Public Speaking & Anchoring | PR & Speech Drafting
 - Stakeholder Management | Corporate Communications | Social Media Management
 - Data Analysis | Research & Experimental Design | Report Writing
 - Leadership & Team Collaboration | Training & Facilitation | Time Management & Organization
 - Creativity & Visual Design | Photography & Videography | MATLAB | Python | Abacus
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Extracurriculars / Experience

- **Leadership & Volunteering:** Mentored students; class representative; “No Firecrackers” initiative; Anchored and coordinated with dignitaries and managed stage flow
 - **Sports & Competitions:** Competitive Swimmer (12 yrs); Basketball (3 yrs); World Scholar’s Cup Top Ten (2019)
 - **Creative Activities:** Artwork exhibited; Drama (Trinity College, Grade 4)
 - **Clubs & Societies:** Math Club & MUN participation
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Courses

- Fundamentals of Physics I (PHYS200)
 - Introduction to Astronomy (ASTR200)
 - Introduction to Mathematical Thinking (THINK101x)
 - Mathematics for Machine Learning: Linear Algebra (MMLLA001)
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