

# 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
  - **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 STEM training sessions for students
  - Developed event coordination, content creation, and teamwork skills
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## Skills

- Event Coordination | Public Speaking | Content Writing & PR | MATLAB & Python
  - Data Analysis | Abacus | Creativity & Visual Design | Problem Solving
  - Research & Experimental Design | Leadership & Team Collaboration | Time Management
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## Extracurriculars / Experience

- **Leadership & Volunteering:** Mentored students; class representative; “No Firecrackers” initiative
  - **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)
  - MATLAB Onramp
  - Mathematics for Machine Learning: Linear Algebra (MMLLA001)
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