

# Jeet Thakwani

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## Education

**University College London (UCL), BSc Computer Science** London, UK  
*Relevant modules: Discrete Mathematics, Algorithms, and Object-Oriented Programming* 2024 – 2027  
*Elected as Computer Science Student Representative demonstrating **communication**, and **networking** skills.*

**Vibgyor High, A Levels** Vadodara, India  
*A\*A\*A\*A in Physics, Chemistry, Further Mathematics, and Mathematics* 2022 – 2024  
Self-studied Further Maths as a Private Candidate in 1 month, with an **A\***.  
**SAT**: 1540 (Math: 800, English: 740)

## Awards and Achievements

- Represented Ghana at the **International Mathematical Olympiad (IMO)** 2023.
- **Ranked 1st** at the Ghanaian National Math Olympiad (MISE Solve-A-Thon) for **three consecutive years**.
- **Honourable Mention** and **First Runner-up Team** at the South African and Indonesian International Mathematics Competitions **for three consecutive years**.
- Achieved **Distinction** and Ranked **3rd** in India for Euclid Mathematics Contest (2022, 2023).
- Achieved **Distinction** and Ranked **3rd** in India for Canadian Computing Contest in 2023.

## Work Experience

**TLUPS - Mathematical Association of America** International  
*Research Intern* September 2023 – February 2024

- Developed an **Evaluation function** for a **Genetic Algorithm**, applying knowledge of optimization techniques gained through research into AI-driven optimal team-selection.
- Designed a comprehensive syllabus for **Contest Maths** at the AMC 12 level, to assess the efficacy of different learning strategies in contest scores.
- Wrote AMC 12 Level Contest Papers that were deployed in multiple schools worldwide.

**MISE** Accra, Ghana  
*Mathematical Olympiad Teacher* February 2023 – March 2023

- Tutored **Ghana Junior Mathematical Olympiad Finalists**, gaining teaching and mentoring skills by guiding students in problem-solving techniques.
- Taught **Advanced Competition Mathematics**, including Algebra, Geometry, Number Theory, and Combinatorics for **8 hours daily**.

## Projects

**Connect 4 - 3D** 2023  
Developed a 3D Connect 4 game in Unity within 3 days, rapidly gaining proficiency in **C#** and **camera movement techniques** using Quaternions, and optimizing the **Win-Check Algorithm** to **O(1)** for enhanced efficiency.

**Selenium Web Scraping** 2023  
Devised a custom web scraping solution using Selenium to **automate downloading and sorting of 200+ documents**.

## Hobbies and Sports

- Weightlifting: **Doubled** my body weight and **tripled** my Bench Press and Squat in 3 years, which taught me the value of **Consistency and Hard Work**.
- **Competitive Badminton** Player: Won **7 Championships** at the regional level.
- Enthusiastic **Tetris** player with a maximum score of **632k**, improving my reaction time and spatial awareness.