# Vishesh Makwana

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## Education

**University of Nottingham** — Nottingham, UK
Postgraduate Diploma in Gravity, Particles and Fields — 2017–2018

- Distinction

**St. Xavier's College, University of Mumbai** — Mumbai, India
Bachelor's in Mathematics — 2013–2017

- GPA: 3.66/4.00
- GRE Physics: 890/990

## Work Experience

**Cuemath (Part-time)** — Remote, India
Maths Tutor — 2023 –present

- Conduct math classes for US and Canadian students in Grade 9-12
- Conduct demo classes for students

**Oncourse Global** — Mumbai, India
GMAT Manager and Quant Faculty — 2019–2022

- Curated curriculum for GMAT Quant which includes Tips and Tricks, Concepts, Classwork and Homework
- Prepared a specialised post class plan for students
- Conduct several webinars for GMAT test taking strategies
- Handle sales calls and demo class to increase GMAT revenue
- Several top student scores which includes 750 and maximum improvement of 140 points

**Easyke- Oneclass** — Remote, Canada
Maths and Physics QA Expert and Moderator — 2018 –2022

- Assist students with doubt solving for assignments at high school and undergraduate level
- Moderate other tutors' solutions for accuracy

**Jamboree Education** — Mumbai, India
Maths Faculty — 2018 –2019

- Conducted classes for GMAT, GRE and SAT Maths
- Helped the Maths team with content refining and accuracy

## Scholarships and Awards

- Developing Solutions Masters Scholarship (University of Nottingham) — 2017–2018
- Weston Scholarship (Mathematical Sciences Department, University of Nottingham) — 2017–2018
- MK Tata Scholarship (Tata Trusts) — 2017–2018
- Innovation in Science Pursuit for Inspired Research Scholarship (Government of India) — 2013–2015

## Outreach

**Chairperson for Confluence** Jan 2017

– Confluence 2017 was a two day, one of a kind, Maths-Stats forum. Several events were organised which includes public lectures, panel discussion, maths quiz and games.

**Chairperson for Mathematics Association of Xavier's (MAX)** 2016 –2017

– Various outside the classroom activities were organised to teach the general audience about the power of mathematics. We also published a magazine 'The Proof' at the end of the year.

**Head of Physical Sciences Exhibition** 2015 –2016

– The flagship exhibit was the harry potter room. We used electronic circuits and speech recognition program to actually bring few of the spells live. Other exhibits were laser maze, laser drums, Jacob's ladder, Faraday Cage, Quantum Eraser, Tesla Coil, Rube Goldberg Machine etc.

## Publications


[1] L. Borsten, I. Jubb, V. Makwana, and S. Nagy, "Gauge × gauge = gravity on homogeneous spaces using tensor convolutions", 2021. arXiv: 2104.01135 [hep-th].

[2] L. Borsten, I. Jubb, V. Makwana, and S. Nagy, "Gauge × gauge on spheres", *Journal of High Energy Physics*, vol. 2020, no. 6, Jun. 2020, ISSN: 1029-8479.


## Skills

**Computer**

– C, Java, Mathematica, MATLAB, LaTeX

**Languages**

– English, Hindi, Gujarati