

Manav Madan Rawal

Date of Birth: 2nd January 2002
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Education

The University of Glasgow <i>Glasgow, Scotland, United Kingdom</i> <i>Master of Science in Theoretical Physics</i>	2024 – 2025
St. Joseph's College (Autonomous) <i>Bengaluru, Karnataka, India</i> <i>Bachelor of Science in Physics, Chemistry, Mathematics</i>	2020 – 2023 <i>First Class Honours</i>
The Frank Anthony Public School <i>Bengaluru, Karnataka, India</i> <i>Class 12 (A Levels)- ISC (Indian School Certificate) - Science</i>	2020
The Frank Anthony Public School <i>Bengaluru, Karnataka, India</i> <i>Class 10 (O Levels) - ICSE (Indian Certificate of Secondary Education)</i>	2018

Projects

Undergraduate Term Paper <i>Title: Algorithmic Game Theory</i>	August, 2022 – October, 2022
<ul style="list-style-type: none">• Under the guidance of Prof. Taral D Shah• Described the foundations of game theory, nash equilibria, Braess' paradox and its known applications. Possible solutions to real life problems using Braess' Paradox and Game Theory .• Click here to view pdf	
Geometric Integration Techniques <i>Title: 'Folklore Result' - The Geometric Reduction of Integration</i>	October, 2023
<ul style="list-style-type: none">• Worked to identify results in Calculus which are not usually taught in courses but greatly aid in computing Integrals faster,• Involves computing an integral of a function over one domain by knowing the value of the integral of the function over another domain. Finding Solutions in a simpler way using ideas from Geometry.• Click here to view pdf	

Other Courses

The Science and Business of Biotechnology <i>Massachusetts Institute of Technology -edX</i>	2022
<ul style="list-style-type: none">• A 160-190 hour intensive course focused on early-stage biotechnology companies, with particular emphasis on understanding the underlying science, technology, and disease targets—together with the application of novel business structures and financing methods—to facilitate drug discovery, clinical development, and greater patient access to new therapies.	

- [Click here to view certificate](#)

Personal Development for Employability

2020 – 2021

St. Joseph's College (Autonomous)

- A semester long course on specialised skills like MS office, Presentation skills, working in teams, management, etc
Secured the highest grade achievable
- [Click here to view certificate](#)

Test Scores and Results

IELTS

2024

Secured an overall Band score of 8.5

- Listening - 9.0
- Speaking - 8.5
- Reading - 8.5
- Writing - 7.5
- [Click here to view certificate](#)

IIT - JAM

2024

Qualified the Indian Institute of Technology (IIT) - Joint Admission test for Masters (JAM) - Physics 2024

PG - CUET

2024

Qualified the Postgraduate Common Univerity Entrance Test (PG-CUET) - Physics 2024

Other Academic Achievements

International Leadership Scholarship

2024

Secured the highly competitive 'University of Glasgow International Leadership Scholarship'.

SOF - IEO

Secured International Rank 36 in Round 1 of the International English Olympiad (IEO) conducted by the Science Olympiad Foudation (SOF) in High School.

SAGE

2016

Secured All India Rank 1 in the Social Science Olympiad conducted by the SAGE Foudation

Community Outreach

2021-2023

St. Joseph's College (Autonomous)

- * Rural Exposure, Field Visits, Helping underprivileged children in Solur, Karnataka
- * Save Water drive in Downtown Bengaluru
- * [Click here to view certificate](#)

Computer Skills

Programming Languages: Python, R, Julia, Java, HTML CSS, JavaScript, Latex, Git

[Click here to view Github page](#)

Database: MySQL, NoSQL

MS Office

Languages: English (Native/Bilingual Proficiency), Hindi (Native/Bilingual proficiency), Gujarati (Native/Bilingual proficiency), Kannada (Limited Working Proficiency)