

# Yashas. N

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📍 Bangalore, Karnataka, India

## Skills

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Programming Languages : Python, Matlab, L<sup>A</sup>T<sub>E</sub>X.  
Others : Git, Markdown, Office tools, teaching and tutoring.

## Education

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**Master's in Mathematics** August 2022 - June 2024  
M.S. Ramiah University of Applied Sciences, CGPA 9.74/10  
Bangalore, Karnataka, India.

- Relevant coursework: machine learning, numerical analysis, differential geometry, number theory, fluid mechanics, algebra, analysis and statistics.
- Presented Talks on Partition Theory.
- Submitted Master thesis on 'Arithmetic properties of  $(\ell, m)$ -regular colored partitions'.
- For my best efforts and academic performance, I was awarded the Gold Medal.

**Bachelor's in (Physics, Chemistry, Mathematics)** August 2019 - May 2022  
St. Joseph's college (Autonomous), CGPA 9.41/10  
Bangalore, Karnataka, India.

- Relevant coursework : analysis, group theory, differential equations, modern physics, electronics and general chemistry.
- Bachelors project on 'Paradoxes in Mathematics'.

## Summary

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After four years of dedicated mathematics training, I have developed a strong understanding of fundamental concepts and their underlying principles. This knowledge has equipped me with the ability to approach and solve problems effectively, teach and clarify complex ideas to others, and contribute to fostering a positive and collaborative academic environment.

## Miscellaneous Experience

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- Created programs and a website on partitions and partition functions in number theory. This helped me find and verify the properties and congruence relations of these partition functions efficiently and faster than traditional methods.
- One-to-one tutoring (tuition's) to school and college students.
- Created and evaluated multiple machine learning models on a variety of data in the InternForte data science course.

## Certifications and Awards

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- Gold Medal from Faculty of Natural Science, [M.S. Ramaiah University of applied sciences](#).
- Data Science internship from [InternForte](#).
- Matlab on-ramp course from [Mathworks](#).
- Introductory Graphics Design course from [St. Joseph's College](#).

## Exams Qualified

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- GATE([2025](#)).
- CSIR NET-JRF([2024](#)).
- KSET([2024](#)).

## Publications

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1. Arithmetic properties of  $(\ell, m)$ -regular colored partitions, [Yashas N.](#), C. Shivashankar and S. Chandankumar, Communicated, 2025.