

# Curriculum Vitae

Tara Prasad Sharma

tpsharma2024@outlook.com — +91-89060-53358

📍 Rural India — [in linkedin.com/in/taraps](https://www.linkedin.com/in/taraps) — [🌐 tarakadel24.github.io](https://github.com/tarakadel24)

## Professional Summary

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Dedicated mathematics educator and researcher with over eight years of tutoring experience. Skilled in advanced mathematical concepts and practical applications, committed to using analytical skills to address challenges in public health and biological sciences.

## Education

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<b>MSc Mathematics (A+)</b> Sikkim University, India <b>Thesis:</b> <i>Stone-Cech Compactification</i> <b>Relevant Coursework:</b> Real Analysis, Algebra, Topology, Numerical Analysis	2023
<b>B.Ed (A+)</b> Harkamaya College of Education, Sikkim University	2021
<b>BSc Honours in Mathematics (B+)</b> Government College Tadong, Sikkim University <b>Relevant Coursework:</b> Advanced Calculus, Differential Equations	2017

## Research Experience

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<b>Stone-Cech Compactification</b>	Sikkim University (2023)
<ul style="list-style-type: none"><li>Investigated <math>X</math> spaces, maximal ideal spaces, and <math>Z</math>-ultrafilters, focusing on applications in topology and functional analysis.</li><li>Contributed to theoretical insights relevant to compactification in functional analysis.</li></ul>	

## Research Interests

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- Applied Mathematics
- Mathematical and Computational Biology
- Applied Statistics for Public Health and Epidemiology

## Teaching Experience

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<b>Mathematics Tutor (Online and Offline)</b>	2014 – Present
<ul style="list-style-type: none"><li>Tutored students from secondary to undergraduate levels in Real Analysis, Calculus, and Algebra, fostering enhanced engagement and conceptual understanding.</li></ul>	

## Technical Skills

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- Programming:** Python (Basic), MATLAB (Basic), HTML, C (Basic)
- Typesetting:** LaTeX
- Software:** MS Office Suite

## Scholastic Achievements

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- **Player of the Tournament** — Volleyball, University Fest (2023)
- **Best Student Award** — B.Ed. course (2021)
- **Best Volunteer Award** — Donated blood 10 times (2017)

## Positions of Responsibility

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- Core Team Member, Math Society, Sikkim University (2021 – 2023)
- Senior Coordinator, Welfare Club, Sikkim University (2021 – 2022)

## Workshops & Training

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- Internship at IIT-Guwahati under Prof. Anajan K Chakrabarty (2023)
- Instructional School for Teachers in Real Analysis at SMIT (2022)
- Research Promotion Workshop on Graph and Geometric Algorithms (2014)

## Volunteer Experience

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- Data Analyst, Sikkim Vipassana Centre (2017 – Present)
- Volunteer math tutor for underprivileged students

## References

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- **Dr. Goutam Bhunia**  
Associate Professor, Sikkim University  
goutam.bhunia@uni.ac.in