

# Saptarshi Dandapat

Updated August 24, 2021

**Email:** saptarshirkmv@gmail.com

**Address:** Midnapore, West Bengal

**Phone:** (+91) 8436910329

**Citizenship:** India

## Academic Interests

Real Analysis, Algebra, Topology, Differential Equations

## Education

### Ramakrishna Mission Vidyamandira

Howrah, West Bengal

BSc in Mathematics (Honours)

July 2019 – Present

With Computer Science and Statistics. *GPA (upto 3 semesters): 9.17/10*

### Midnapore Collegiate School

Midnapore, West Bengal

Higher Secondary School

May 2017 – June 2019

Subjects : Mathematics, Physics, Computer Science, Chemistry, English, Bengali (Optional). *Percentage : 88.80*

### Ramakrishna Mission Vidyabhavan

Midnapore, West Bengal

Secondary School

January 2011 – May 2017

*Percentage : 96.57*

## Selected coursework

- Mathematics: Group Theory, Ring Theory, Real Analysis, 2D Geometry and Vector Algebra, Ordinary Differential Equation, Classical Algebra, Linear Algebra, Application of Differential Calculus, 3D Geometry, Multi-Variable Calculus 1, Metric Spaces, Partial Differential Equation 1, Laplace Transform, Basic Number theory and Combinatorics, Analytical Statics and Particle Dynamics.
- Computer Science: Computer Fundamentals and Digital Logic Design, Programming in C, Database Management System, Computer Network and Internet Technologies, Web Programming.
- Statistics: Analysis of univariate and bivariate data, Nonlinear Regression, Analysis of Multivariate Quantitative Data, Categorical Data, Economic Statistics, Time Series Analysis, Sample Survey Methods, Analysis of Variance, Random variables and probability distributions, Standard univariate distributions, Joint Distribution of two random variables, Sampling Distributions, Statistical Inference, Statistical tests of Hypotheses, Interval Estimation, Large Sample Tests and related Interval Estimates.

## Scholarships

**Swami Vivekananda Merit-cum-Means Scholarship** (Government of West Bengal) 2018 – Present

**National Scholarship** (Government of India)

2020 – Present

## Talks and Outreach

**Technological Support for Exploring Pure Mathematics** February 2021  
Student Seminar at Department of Mathematics, Ramakrishna Mission Vidyamandira, Venue : Google Meet. Talk was given on mathematical proof assistant softwares, particularly *Lean Theorem Prover* and few examples of its usage in undergraduate coursework.

	<b>A Glimpse on Cantor Function</b> Presented at Inter-college Presentation Competition, Department of Mathematics, Ramakrishna Mission Vidyamandira, Venue : Google Meet, on the properties of Cantor function, Cantor-type function and their applications. Secured Second rank in the competition. Write-up of the presentation can be found <a href="#">here</a> .	June 2021
Qualification in National Level Exams	<a href="#">Madhava Mathematics Competition</a> , Level 1  <a href="#">JEE Advanced</a>	February 2021  May 2019
Skills	<b>Programming</b> Proficient in: Python 3, GNU Octave Familiar with: C, C++  <b>Languages</b> Bengali, English, Hindi	
Service and outreach	<b>National Service Scheme wing</b> Member of NSS wing at Ramakrishna Mission Vidyamandira	July 2019 – Present