

Soham Chatterjee

✉ sohamc@cmi.ac.in / sohamchatterjee999@gmail.com
🌐 sohamalephnull.blogspot.com

Education

- **Chennai Mathematical Institute** Chennai, Tamilnadu, India
B. Sc - Mathematics and Computer Science 2021 – Ongoing
- **University of Calcutta** Kolkata, West Bengal, India
B. Tech 1st Year - Electronics and Communication Engineering 2020 – 2021
- **Baranagar Narendranath Vidyamandir** Kolkata, West Bengal, India
Higher Secondary (12th Standard) 2018 – 2020
- **Baranagar Ramakrishna Mission Ashrama High School** Kolkata, West Bengal, India
Secondary (10th Standard) 2008 – 2018

Academic Achievements

- **CMI Entrance** Chennai Mathematical Institute
Entrance exam of Chennai Mathematical Institute 2021
- **NEST** NISER
Entrance exam of National Institute of Science Education and Research (NISER) 2021
- **WBJEE - Rank 1893** WBJEEB
West Bengal Joint Entrance Exam 2020
- **12th Statistics Olympiad - Rank 108** AIMSCS
C R Rao Advanced Institute of Mathematics, Statistics and Computer Science (AIMSCS) 2020

Reading Projects

- **Ramanujan's work on theta functions and q -series and their connections with number theory.**
Under Professor **Rupam Barman**, IIT Guahati during the summer break in May – Jul, 2022.
- **Algebraic Circuits: Learning the inherent structure.**
Under Professor **Nitin Saxena**, IIT Kanpur during the winter break in Dec – Jan, 2022.

Topics I Learned

- **Math Topics:-**
 - **Analysis:**
 - Real Analysis
 - Euclidean Space
 - Metric Space
 - **Algebra:**
 - Linear Algebra
 - Group Theory
 - Ring Theory
 - Field Theory
 - General Topology
 - Algebraic Topology (Introductory)
 - Probability Theory
 - Integral Calculus
 - Differential Equations
- **Computer Science Topics:-**
 - **Theoretical Computer Science Topics:**
 - Design and Analysis of Algorithms
 - Theory of Computation
 - Complexity Theory - **Partha Mukhopadhyay**
 - Arithmetic Circuits - **Nitin Saxena**
 - Computational Algebra and Number Theory - **Nitin Saxena**
 - **Other CS Topics:**
 - Discrete Mathematics - **C Ramya & Partha Mukhopadhyay**
 - Introduction to Functional Programming (Haskell)
 - Advanced Programming with Python
 - Programming Language Concepts (Java, Concurrent Programming, Lambda Calculus)

- **Other Topics:-**
 - Classical Mechanics
 - English

Computer Skills

- **Programming Languages:** Python (Basic), Haskell (Basic), Java (Basic), Unix/Linux Shell Scripting
- **Technical Skills:** \LaTeX , Git, Basic works in terminal, VIM

Hobbies

- Watch Anime, Listen Music (J-pop, Western), Theming linux desktop