Sabyasachi Mukherjee

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Area of interest

Analytic Number Theory, Additive Number Theory

Education

Georg-August-Universität Göttingen Göttingen, Germany
M.Sc. in Mathematics April 2018 – Present
Mentor: Professor Jörg Brüdern
Thesis: *Small Solutions of Linear Equations in Primes*
Overall Grade: 2,2, Grade in Mathematics Courses: 2,0 (German scale)

Georg-August-Universität Göttingen Göttingen, Germany
M.Sc. in Mathematics (Conditional Admission) October 2017 – March 2018

Shiv Nadar University Noida, India
B.Sc. in Mathematics, *GPA: 8.02/10* August 2013 – May 2017
Mentor: Dr. Priyanka Grover
Thesis: *Dirichlet's Theorem on Arithmetic Progressions*

Teaching/Grading

Grader, Department of Mathematics (Göttingen) Winter 2020
Real Analysis I (Differenzial-und Integralrechnung I)

Tutor, Department of Mathematics (Göttingen) Summer 2020
Functional Analysis

Grader, Department of Mathematics (Göttingen) Winter 2019
Real Analysis I (Differenzial-und Integralrechnung I)

Grader, Department of Mathematics (Göttingen) Summer 2019
Linear Algebra and Analytic Geometry (Geometrie)

Talks

Roth's theorem using energy increment May 2020, Göttingen
Analytic Number Theory course offered by Prof. Jörg Brüdern and Prof. Damaris Schindler

Large subsets of $\mathbb{F}_q^n$ without three-term AP July 2020
Göttingen Number Theory Oberseminar organised by Prof. Harald Helfgott

A Sharp Version of Halasz's Theorem December 2020
Göttingen Number Theory Working Seminar organised by Prof. Darmaris Schindler

Skills

Python, Matlab and LaTeX

Languages

English (fluent) (TOEFL: 114/120), Bengali (fluent), Hindi (fluent), German (A1)