

Arnab Kundu

Masters Student, 22 years old

Education

- 2019-2020 **(M2) Master Mathématiques et Applications (Mathématiques fondamentales)**, Sorbonne Université, Paris, France.
- 2018-2019 **(M1) Master de sciences et technologies, mention mathématiques et applications**, Sorbonne Université, Paris, France, Score 19.62/20.
- 2015-2018 **B.Sc.(Hons.)**, Chennai Mathematical Institute, Chennai, India, CGPA - 9.83.
Mathematics and Computer Science Undergraduate

Achievements:

- Received **FSMP**(Fondation Sciences Mathématiques de Paris) PSGM Masters 2018-2020 scholarship
- Received **Gold Medal** for the best undergraduate academic record of the 2018 batch
- Attended the Indian **IMO training camp** thrice in 2013, 2014 and 2015 which were held at HBCSE, Mumbai
- **KVPY**(Kishore Vaigyanik Protsahan Yojana) SA 2013 scholar.

Teaching Experience

- Fall 2016 **Analysis 1**, Teaching Assistant.
- January 2016 **INMO Training Camp Chennai**, Instructor.

Internships

- Spring 2020 **M2 Mémoire**, *Tilting Correspondences for Integral Perfectoid Rings*, under Prof. Kęstutis Česnavičius, Université Paris-Saclay (previously known as Université Paris Orsay XI), Paris, France.
- Spring 2019 **T.E.R.**, *Proper Base Change Theorem in Etale Cohomology*, under Prof. Benoît Stroh, Sorbonne Université, Paris, France.
- Summer 2018 **CMI-ENS Exchange Program**, *Perfectoid Fields*, Under Prof. Ariane Mezard, École Normale Supérieure, Paris, France.
- Summer 2017 **Maths REU**, *The Étale Fundamental Group of an Elliptic Curve*, University of Chicago, Chicago, USA.
- Summer 2016 **Summer Internship**, *Vershik Okunkov Approach to Representations of Symmetric Groups*, Under Prof. K.N. Raghavan, IMSc, Chennai, India.

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Last updated - 12/05/2020

Workshops and Conferences

- Summer 2020 **Summer School on The Arithmetic of Langlands Program**, *Hausdorff Research Institute for Mathematics*, Bonn, Germany, Cancelled due to the Covid-19 outbreak.
- Spring 2020 **Arithmetic Algebraic Geometry**, *TU Darmstadt*, Germany, Cancelled due to the Covid-19 outbreak.
- Fall 2019 **Perfectoid Spaces**, *ICTS*, Bangalore, India.
- Summer 2019 **Arithmetic Geometry in Carthage**, *Tunisian Academy Beit al-Heikma*, Carthage, Tunisia.
- Summer 2018 **École Jeunes Chercheurs en Théorie des Nombres 2018**, *Université de Franche-Comté Laboratoire de Mathématiques de Besançon*, Besançon, France.
- Winter 2017 **ATMW Analytic Number Theory**, *ISI*, Kolkata, India.
- Winter 2016 **Theoretical and Computational Aspects of the Birch and Swinnerton-Dyer Conjecture**, *ICTS*, Bangalore, India.

Languages

- Bengali Native
- English First Language
- French Intermediate
- Hindi Conversational

Computer skills

- Programming Python, Haskell, C++, C, Java Web design HTML, CSS