Curriculum vitae of Anamitro Biswas

Information:

Nationality: Indian
Email address: anamitroappu@gmail.com

Sep 2023 to Feb 2024

- Research Assistant,

  Mathematical Aspects of Cryptanalysis

  [under *Dr. Arpita Maitra*]

- reading course in **Algebraic Topology**

  (Fall 2023 and Spring 2024)

  [supervised by *Dr. Goutam Mukherjee*]

Institute of Advancing Intelligence, TCG Centres of Research and Education in Science and Technology, Kolkata (India).

M.Sc. thesis:

- **Thesis title:** *Coast of a fuzzy set as a 'crisper' subset of the boundary*

- **Supervisor:** Dr. Juthika Mahanta, Department of Mathematics, National Institute of Technology Silchar.

PDF copy: https://drive.google.com/file/d/11XLXPRux26j0HWW8DVZTV_RGlq4kWYZg/view?usp=drive_link

Education:

- *Master of Science* in Mathematics at *National Institute of Technology Silchar* (India), 2021-2023. CGPA: 9.06.

- *Bachelor of Science* in Mathematics from *University of Calcutta*, India, 2018-2021. Overall CGPA: 7.304.

- Higher secondary education in Science from Patha Bhavan, Kolkata, 2015-2017 (West Bengal Council of Higher Secondary Education). Overall percentage: 82.2.

Research interest:

- Number Theory

Research papers and preprints:

- Anamitro Biswas and Eshita Mazumdar, *Davenport constant for finite abelian groups with higher rank*, arXiv:2402.09999 [submitted; preprint: https://arxiv.org/abs/2402.09999].

- Anamitro Biswas, Subhankar Jana and Juthika Mahanta, *Application of Coast of a fuzzy set as a crisper synopsis of the fuzzy boundary* [to appear].

- Anamitro Biswas and Eshita Mazumdar, *Zero-sums of exponential length in k-restricted sequences over groups of higher rank* [in preparation].

Talks:

- Feb 4th 2023, *r-wise Davenport constant for finite abelian groups*, **COmbinatorial Number Theory And Connected Topics - II** (CONTACT-II). **Conference webpage:** https://sites.google.com/view/contact-ii/home, **Abstract:** https://drive.google.com/file/d/1OtAvMfGG2xg6Gr6-2gKDHkJ6REjTZkg2/view, **Handout:** https://drive.google.com/file/d/11k1bXrPQqw_AAf8s9JweYXBvNs6qcWL3/view?pli=1
- Apr 30th, 2024, *The Davenport Constant For Finite Abelian Groups And Its r-wise Generalization*, **Students' talk, TRIM (IAI)**. **Handout:** https://drive.google.com/file/d/1sgv0w5LtzsylQRGHDZrmeB4dxlnCOjKE/view?usp=drive_link

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Lecture series attended:

- *Elements in Additive Combinatorics* by Dr. Gautami Bhowmik, TCG CREST, Spring 2024.
- *Exploring Geometric Group Theory* by Dr. Marc Bourdon, TCG CREST, Spring 2024.

Workshop/Conference attended:

- COmbinatorial Number Theory and Connected Topics-III (CONTACT-III), Mar 16th-17th, 2024. [https://sites.google.com/ahduni.edu.in/contact-iii]
- Bengal Topology Circle Meeting 2024, IISER Kolkata, Jan 12th 2024. [https://math.iiserkol.ac.in/attachments/general/poster-btc-2024.pdf]
- COmbinatorial Number Theory And Connected Topics-II (CONTACT - II), Feb 4th-5th, 2023. [https://sites.google.com/view/contact-ii/home]
- 27th International Conference of International Academy of Physical Sciences (CONIAPS XXVII) on Mathematical Modelling in Biological Sciences (M2BS 2021), Department of Mathematics, National Institute of Technology Silchar, Oct 26th-28th, 2021. [https://sites.google.com/math.nits.ac.in/m2bs2021/home]

Languages:

- Bengali (first language)
- English (Proficiency of C2 standard as per CEFR)

Programming Languages:

R, C and some basic Fortran

Competitive exams:

- Qualified 24th State Eligibility Test conducted by West Bengal College Service Commission in 2023 with score 160 (68+92).
- Qualified Graduate Aptitude Test of Engineering (GATE) in 2023 with score 490 (31/100) and all-India rank 515.

Co-curriculars:

- ibus-table-sasankadeva, an input engine for Bengali script in Unix-like OS; **GitHub repository:** https://github.com/anamitro/ibus-table-sasankadeva;
- TEXচাঁদ, XeLaTEX-based templates for scientific and literary publication in Bengali vernacular (Indic script) compatible with modern printing technology. Link: https://sites.google.com/view/texchand, https://github.com/anamitro/TeXSci.
- Chicago1893, a beamer color theme. GitHub: https://github.com/anamitro/beamercolortheme-chicago1893
- ***Painting***, a collection of which is uploaded in this website: https://sites.google.com/view/ani-paint.