

Subhadeep Das

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Current Position

Junior Research Fellow, Department of Cryptology, Institute of Advancing Intelligence (IAI), **TCG CREST**
[Affiliation of the Academy of Scientific and Innovative Research (AcSIR) since August 2024]

- **Supervisor:** Dr. Shion Samadder Chaudhury, Assistant Professor, Department of Cryptology, IAI, TCG CREST
- **Co-Supervisor:** Dr. Diptendu Chatterjee, Assistant Professor, Department of Computer Science and Information Systems, BITS Pilani, Goa

Research Interests

- Approximation Algorithms
- Parameterized Algorithms
- Complexity Theory

Education

TCG CREST, Ph.D Coursework	Aug 2024 – Jun 2025
• 1st Sem Courses: Discrete Mathematics, Graph Theory, Cryptology, Programming and Data Structure	
• 2nd Sem Courses: Expander Graphs and High Dimensional Expanders, Design and Analysis of Algorithms, Optimization Technique	
University of Calcutta, M.Sc. in Pure Mathematics	Sept 2017 – Jul 2019
• Percentage: 66.4%	
• Dissertation: "Two Remarks on Mycielski's Construction" - During this time, I worked on Mycielski's graphs and showed that these type of graphs are Hamiltonian and Color critical graphs.	
Ramakrishna Mission Vivekananda Centenary College, B.Sc. in Mathematics	July 2014 – Aug 2017
• Percentage: 76.25%	

Conferences/Workshops/Schools Attended

Asiacrypt-2024	Dec 2024
ICTS workshop on High Dimensional Expanders and Error Correcting Codes	April 2025
Crest Crypto Summer School 2025	June 2025
Ajit Diwan Memorial Workshop on Geometry, Graph and Combinatorics	Jan 2026

Achievements

Personal Integrity Award, From RKMVCC, Rahara	Feb 2017
CSIR-UGC NET, Lectureship(LS)	Jun 2022
GATE (Mathematics), AIR- 328	Mar 2023
SET (Mathematics), Lectureship(LS) in West Bengal	Dec 2023
GATE (Mathematics), AIR- 265	Mar 2024
Second Prize for Presentation on Young Researchers' Forum	Jan 2026

Technical Skills

Languages: C, C++, Java, Python, PHP, JavaScript, HTML, CSS, Latex.

Technologies: Front-end and Back-end development knowledge (Web development), API testing, Automation testing

Experience

Quality Assurance Executive (Content and Product), Cerebry, Ed-Tech	Sept 2021 – Jul 2024
• Worked as a QA Intern and learned the quality assurance methods for mathematical contents.	
• Worked as a QA Executive and testing the quality of mathematical contents.	
• Worked as a QA Lead and handled a team and assigned and verified their tasks.	
• Worked as a Product QA Executive and communicated between front-end and back-end developers.	