

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

Research Interests

- Approximation Algorithms
- Parameterized Algorithms
- Distributed Algorithms
- General and Parameterized Complexity Theory

Education

University of Calcutta , M.Sc. in Pure Mathematics	Sept 2017 – Jul 2019
<ul style="list-style-type: none">• Percentage: 66.4%• Dissertation: "<i>Two Remarks on Mycielski's Construction</i>" - 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
<ul style="list-style-type: none">• Percentage: 76.25%	
TCG CREST , Ph.D Coursework	Aug 2024 – Jun 2025
<ul style="list-style-type: none">• 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	

Conferences/Workshops Attended

Asiacrypt-2024	Dec 2024
ICTS workshop on High Dimensional Expanders and Error Correcting Codes	April 2025 - May 2025
CCSS 2025	June 2025

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

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
<ul style="list-style-type: none">• As an intern, I learned the quality assurance methods for the mathematical content for different curriculum.• Handled a team of QA executives and assigned and verified their tasks within the deadlines.• Worked in the field of Product Testing and communicated between front-end and back-end developers about the bugs and got those fixed within the deadlines.	