

# Subhadeep Das

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subhadeep-ron.github.io/my-portfolio | linkedin.com/in/subhadeep-das |

## Current Position

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**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

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- Approximation Algorithms
- Parameterized Algorithms
- Complexity Theory

## Education

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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

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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

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**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

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**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

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**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.