Subhadeep Das

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

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
- Expander Graphs and High Dimensional Expanders
- Distributed Algorithms

Education

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%

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

Conference Attended

Asiacrypt-2024   Dec 2024

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

- 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.
- Efficiently used Postman and product testing methods for API and UI related Testings.