



SOURADEEP MUKHOPADHYAY

DOB: 22/11/1999

CONTACT

PHONE:

91-62910-28852

EMAIL:

souradeepmukhopadhyay99@gmail.com

ADDRESS:

52, Thakurdas Babu Lane,
Salini Apartment 1 st Floor,
Serampore, Hooghly, West
Bengal, Pin-712201

WEBSITE LINKS

Google Scholar:

https://scholar.google.com/citations?user=Oz_A-coAAAAJ&hl=en

Personal Website:

<https://souradeepmukhopadh.wixsite.com/mysite>

ResearchGate:

https://www.researchgate.net/profile/Souradeep_Mukhopadhyay2

Github:

<https://github.com/Souradeep150>

PROGRAMMING LANGUAGE

C, C++, MATLAB, OCTAVE

EDUCATION

Jadavpur University

2018 - Till now

BE in Computer Science and Engineering

Average CGPA: 8.38 (class rank <10)

Mahesh Sri Ramkrishna Ashram Vidyalaya (H.S)

2006 - 2018

- **2018 - Higher Secondary 2018 (12th Std.)**

93% (2nd in School, 21th in West Bengal, 100% in Math)

- **2016 - Madhyamik 2016 (10th Std.)**

95% (100% in Math, Physical science, School Topper, 22nd in West Bengal)

PROJECTS

1. Image Steganography

I did image steganography project under Dr. Ram Sarkar of Dept of CSE, Jadavpur University exploiting some integer transforms like Laguerre, Lah, Catalan and Ballot Transform. We have mixed the concept of Genetic Algorithm in data hiding scheme.

2. Gray scale Image Enhancement by Optimization Algorithms

I further work on gray scale image contrast enhancement by exploiting various recently invented optimization algorithms like AEFA and ASO.

3. Video Forgery Detection

I am recently working on video copy move forgery detection by using optimization based feature selection and image moment based concepts.

4. Binarization of Degraded images

Recently, I am working on binarization of degraded document images by exploiting Game Theory based features.

RESEARCH PUBLICATION

1. "Application of Lah transform for security and privacy of data through information hiding in telecommunication" was published in *Transactions on Emerging Telecommunications Technologies, Wiley*.
2. "Exploiting Laguerre Transform in Image Steganography" was submitted in *Computers and Electrical Engineering, Elsevier*.
3. "Secured Image Steganography based on Catalan Transform" was submitted in *Multimedia Tools and Applications, Springer*.
4. "A Secure Steganography Method based on Genetic Algorithm and Ballot Transform" was submitted in *IET Image Processing*.

LANGUAGE KNOWN

English, Bengali, Hindi

5. "Image Steganography using Deep learning based Edge Detection" was submitted in *Journal of Visual Communication and Image Representation, Elsevier*.
6. "Grayscale Contrast Enhancement by Artificial Electric Field Optimization" was submitted in *Mathematics and Computers in Simulation, Elsevier*.

ACHIEVEMENTS

1. Madhyamik Exam (class 10) Rank 22 among 11, 43,372 students in 2016.
2. Higher Secondary Exam (class 12) Rank 23 among around 8.2 lakh students in 2018.
3. Kishore Vaigyanik Protsahan Yojana (KVPY) fellow in 2018 .All India Rank 763 in Physics-Chemistry-Math stream (over 50k students).
4. WBJEE 2018 rank 106 among over 1.27 Lakh aspirants.
5. JEE MAIN 2018 all india rank 3569 among more than 10 lakh candidates.
6. Awarded in SCIENCE TALENT SEARCH EXAMINATION conducted by NATIONAL SCIENCE SOCIETY in the year 2008, 2009 and 2012.
7. Won several mathematics competition in pre-college and college level like NUMBER NINJA and IYMC.