

# SUBHASHIS BANERJEE

---

## CONTACT INFORMATION

### Address (Office):

Machine Intelligence Unit, Indian Statistical Institute,  
203 Barrackpore Trunk Road, Kolkata - 700108, India

### Address (Residence):

56 Sarat Colony, Rajbari Sarat Basu Lane,  
North Dum Dum Airport, Kolkata - 700081, India

### Mobile:

+91-9903434323, +91-7278742037

### e-mail:

mail.sb88@gmail.com, subhashis\_r@isical.ac.in

## RESEARCH INTERESTS

Visual Attention Modeling, Medical Image Analysis, Machine Learning,  
Parallel Computing using CPU and GPU.

## EDUCATION

**West Bengal University of Technology**, Kolkata - 700064, India

**M.Tech.**, Software Engineering, 2013

- DGPA and Class: **8.9/10**, **1<sup>st</sup> Class** (University rank - 3).
- Thesis Title: *Design and Analysis of Routing Attack Prevention Schemes in MANET*.
- Advisors: Dr. Koushik Majumder

**West Bengal State University**, Kolkata - 700126, India

**M.Sc.**, Computer Science, 2011

- Percentage and Class: **79.09**, **1<sup>st</sup>** (University rank - 4).
- Thesis Title: *Graph Reconstruction Conjecture*.
- Advisor: Prof. Samar Sen Sarma and Dr. Krishnendu Basuli

**University of Calcutta**, Kolkata - 700073, India

**B.Sc.**, Computer Science (Honours), 2009

- Percentage and Class: **65.15**, **1<sup>st</sup> Class** (College rank - 2).

RESEARCH  
EXPERIENCE

**Ph.D Research Fellow (JRF)**

March 2016 to Present

Machine Intelligence Unit (MIU),  
Indian Statistical Institute,  
203 Barrackpore Trunk Road Kolkata 700108, India

**Supervisor:** Prof. Sushmita Mitra, *Ph.D, FIEEE, FINAE, FNASI*

**Project Linked Personnel**

May 2013 to March 2016

Machine Intelligence Unit (MIU),  
Indian Statistical Institute,  
203 Barrackpore Trunk Road Kolkata 700108, India

**Supervisor:** Prof. Sushmita Mitra, *Ph.D, FIEEE, FINAE, FNASI*

**Project title:** Integrating CT Images with Gene Expression using Soft Computing

PAPERS IN  
PEER-  
REVIEWED  
JOURNALS

1. **S. Banerjee**, S. Mitra, and B. Uma Shankar, and Y. Hayashi, A Novel GBM Saliency Detection Model using Multi-channel MRI, *PLoS ONE* 11(1): e0146388. doi: 10.1371/journal.pone.0146388. (**IF: 3.70**)
2. **S. Banerjee**, S. Mitra, and B. Uma Shankar, Single seed delineation of brain tumor using multi-thresholding, *Information Sciences*, Vol. 330, pp. 88-103, 2015. (**IF: 4.22**)

PAPERS IN  
PEER-  
REVIEWED  
CONFERENCE

1. **S. Banerjee**, S. Mitra, and B. Uma Shankar, ROI Segmentation from Brain MR Images with a Fast Multi-Level Thresholding, *Advances in Intelligent Systems and Computing series 2016*, Springer.

FELLOWSHIPS  
RECEIVED

- UGC-NET qualified in 2012, conducted by University Grants Commission, India.
- GATE Fellowship during the study of M.Tech. in West Bengal University of Technology, Kolkata, India from July 2011 to June 2013 (on the basis of the GATE (CS) percentile score 92.39 earned in March 2011).

PROGRAMMING  
SKILLS

- C, C++, Java, Python, Matlab.

TEACHING  
EXPERIENCE

Department of Computer Science and Engineering, **West Bengal University of Technology**, Kolkata 700064, India

- Teaching Assistant: Taught Object Oriented Programming, Programming Practice using C++ and Java.

PERSONAL  
DETAILS

- Date of Birth: 26<sup>th</sup> November, 1988
- Fathers Name: Mr. Sisir Kumar Banerjee
- Nationality: Indian
- Category: General

REFERENCES

Dr. Sushmita Mitra

Professor. Machine Intelligence Unit  
Indian Statistical Institute  
203 B. T. Road, Kolkata 700 108, India

Phone:(+91) (33) 2575 3102  
E-mail: sushmita@isical.ac.in

Dr. B. Uma Shankar

Assistant Professor.  
Machine Intelligence Unit,  
Indian Statistical Institute,  
203 B. T. Road, Kolkata 700 108, India

Phone:(+91) (33) 2575 3107  
E-mail: uma@isical.ac.in

Dr. Koushik Majumder

Assistant Professor.  
Department of CSE,  
West Bengal University of Technology,  
BF - 142, Sector - I, Salt Lake City,  
Kolkata 700064, West Bengal, India

Phone:(+91) 9433129635  
E-mail: koushik@ieee.org