

Sushovan MAJHI

PERSONAL DATA

PLACE AND DATE OF BIRTH: West Bengal, India | 04 August 1988
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RESEARCH EXPERIENCE

RESEARCH ASSISTANT	AF: Small: Collaborative Research: Geometric and Topological Algorithms for Analyzing Road Network Data, National Science Foundation PI: CAROLA WENK, Tulane University	FALL 2017-current
COMPUTATIONAL GEOMETRY and COMPUTATIONAL TOPOLOGY	under the supervision of DR. CAROLA WENK , DR. RAFAL KOMENDARCZYK , TULANE UNIVERSITY, LA, USA and DR. BRITTANY FASY , MONTANA STATE UNIVERSITY, MT, USA.	2014-current
CANCER RESEARCH	with DR. SEEMA NANDA, at NATIONAL CENTER FOR BIOLOGICAL SCIENCES, TIFR, Bangalore, India	2013-2014

PUBLICATIONS

CONFERENCE	FWGC'17	Brittany Fasy, Rafal Komendarczyk, Sushovan Majhi, Carola Wenk (2017), <i>Topological and Geometric Reconstruction of Metric Graphs in \mathbb{R}^n</i> , 27th Fall Workshop on Computational Geometry, 5 pages, 2017	 Link
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EDUCATION

2014-Current	PhD in Mathematics, Tulane University , New Orleans, LA, USA	Algorithms, Analysis (I, II), Applied Mathematics, Computational Complexity, Computational Geometry, Computational Topology, Differentiable Manifolds, Scientific Computation (I, II, III), Topology (I, II), Topics in Topology
JUNE 2012	Master of Science in MATHEMATICS, Tata Institute Of Fundamental Research , Bangalore, India	Real Analysis, Linear Algebra, Topology, Theory Of ODEs, Functional Analysis, Measure Theory, Numerical Analysis, Partial Differential Eq(I, II), Complex Analysis, Probability Theory, Differential Geometry, Numerical PDEs, Advanced PDEs, Algebra, Mechanics

JULY 2009	Bachelor Of Science in MATHEMATICS, Ramakrishna Mission Vidyamandira, Calcutta University, India	Mathematics (Hons), Statistics, Physics
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SCHOLARSHIPS AND CERTIFICATES

SEPTEMBER 2001	Secured grade “A” in “SCIENCE TALENT SEARCH EXAMINATION (CLASS-VII)” conducted by JATIYA VIJNAN PARISAD and INDIAN SCIENCE CONGRESS ASSOCIATION
AUGUST 2006	TIFR Junior Research Fellowship for pursuing Integrated PhD studies at TIFR-CAM, Bangalore, India
JUNE 2012	UGC-CSIR NET Research Fellowship(India)

TEACHING EXPERIENCE

SPRING 2017	TA CALCULUS at TULANE UNIVERSITY
SPRING 2016	TA STATISTICS FOR BUSINESS at TULANE UNIVERSITY
FALL 2016	TA STATISTICS FOR SCIENTISTS at TULANE UNIVERSITY
SPRING 2015	TA STATISTICS FOR SCIENTISTS at TULANE UNIVERSITY
FALL 2015	TA STATISTICS FOR SCIENTISTS at TULANE UNIVERSITY
FALL 2014	TA STATISTICS FOR SCIENTISTS at TULANE UNIVERSITY
JAN 2013-JUNE 2013	MATHNetCOACHING, LINEAR ALGEBRA, graduate level students
NOV 2011-JULY 2012	GATE-IIT COACHING INSTITUTE, Graduate Level MATHEMATICS, JP Nagar, Bangalore for competitive national exams, e.g. National Eligibility Test
FEB 2012-JULY 2012	MES COLLEGE, Department Of Mathematics, ANALYSIS AND LINEAR ALGEBRA, Graduate Level Students, Malleswaram, Bangalore

ENTREPRENEURIAL EXPERIENCE

JULY 2013-APRIL 2017	FOUNDER DIRECTOR of SCIMETRIC PVT LTD. Company’s activities included test preparation and coaching for NET exam in Mathematics. Employed 6 trainers
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LANGUAGES

BENGALI:	Mothertongue
ENGLISH:	Fluent
HINDI:	Basic Knowledge

SKILLS

Mathematical:	COMPUTATIONAL GEOMETRY, APPLIED AND COMPUTATIONAL TOPOLOGY, GEOMETRIC ALGORITHMS, TOPOLOGICAL DATA ANALYSIS, APPLIED MATHEMATICS , STATISTICS
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Computational:	JAVA, Git , RUBY, RUBY ON RAILS, C, MATLAB, LINUX BASH SCRIPTING
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INTERESTS AND ACTIVITIES

Programming software that I use as tools.

Programming the front end and back end for my [blog](#).

Reading history, specially the history of Greek Philosophy and playing violin and classical guitar.