Mainak Mandal

Curriculum Vitae

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Academic Profile

2008–2010	**Secondary**, *West Bengal Board of Secondary Education*, -82%, Physical science- 92, English - 80,Mathematics - 100.
2010–2012	**Higher Secondary**, *West Bengal Council of Higher Secondary*, -82%, Physics – 86, Chemistry - 86,Mathematics - 86.
Entrance Exams	Qualified for IMO(SOF) 2nd round in 8th and 11 grade.
	AIEEE- AIR 30,300.
	WBJEE- Rank -1818.
	BITSAT- Marks obtained- 270.
	VBCAT-Rank 21.
	Qualified in IISER Entrance test and selected for INSPIRE Fellowship.
	Recipient of NNMCB Summer Research Scholarship 2015.
2012–present	**BS–MS**, *Indian Institute of Science Education and Research, Kolkata*, Currently in 9th semester, C.G.P.A - 7.51 (8.33,7.89,7.42,8.17,6.71,6.14).
Courses	, *Linear Algebra, Probability and Statistics, Statistical Inference, Measure theory, Network theory, Graph theory,C, Algorithms and Data Structure, Numerical Analysis, Practical Statistical Lab, Partial Differential Equations*, Functional analysis, Topology and Differential Geometry Real and complex Analysis, Algebra and Galois theory, Fourier analysis,Algebraic Topology,, Machine Learning(Andrew NG, Coursera) .

Work Experience

Computer Skills

Programming Languages	R, Python , FORTRAN 77, Matlab, C.
Modules	Numpy,Scipy, Matplotlib, Opencv, Scikit, GNUplot.
CAS	SageMath
Web technologies	HTML5,CSS,Javascript, Jquery, Bootstrap, Jekyll, Web Scrapping with Python.

Research Projects

Summer 2014	**Project on Blood flow models and Neural networks**, *Department of Mathematics M.N.I.T, Allahabad*, Under supervision of Dr.Manoj Kumar, Associate Professor, M.N.I.T, Allahabad.

Summer 2015	**Reconstructing GRNs with Bayesian networks using Small World Prior**, *Department of Electrical Engineering*, IIT Delhi, Under supervision of Dr.Sumeet Agarwal, Assistant Professor, IIT Delhi in the National Network for Mathematical and Computational Biology scholarship scheme.
Autumn 2015	**Reconstructing GRNs with Bayesian networks with Scale-free Prior**, *Department of Biological Sciences, IISER Kolkata*, Under the supervision of Dr.Robert John Chandran, a semester project.
January 2016	**Workshop on Mathematical and Computational Biology**, *IISER Kolkata*, a two day workshop on mathematical and computation biology organised by NNMCB and IISER Kolkata.
Summer 2016	**Mathametical Analysis of Geometric Visual Illusions**, *Masters thesis*, ISI Kolkata, Under guidance of Dr. Kuntal Ghosh, Asistant Professor,. Machine Intellignece Unit, ISI Kolkata

▬▬▬ Extra Curricular Activities

Web Designing	Developed the Inquivesta(Science fest of IISER Kolkata) 2014 and 2015 beta website.
Robotics	Paricipated in Line following,Robo-soccer and won Maze solving and competition at Instuo 2013 IIEST, Shibpur. Proficient with basic electronics, microcontrollers(Arduino, Raspberry-pi, BeagleBone Black), embedded C, sensor computer interface.

▬▬▬ Personal Information

Name	Mainak Mandal.
Date of Birth	01-10-1994.
Place of Birth	Chittaranjan,West Bengal, India
Guardian's Name	Sri Balaram Mandal.
Nationality	Indian
Languages	English, Bengali(mother tongue),Hindi.

Declaration: I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Mainak Mandal

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