

Saswata Chakravarty

Permanent Address

1/6, Olai Chandi Road
Kolkata- 700037
West Bengal

Present Address

Electrical Engineering Department
Indian Institute of Science
Bangalore- 560012
Karnataka

Career Objective: To work in a environment offering challenging career opportunities, where I can apply and enhance my skills for solving diverse technical problems.

Education: *Indian Institute of Science*
ME (2010-2012)
Major: Systems Science and Automation
GPA: 6.8/8 (First 3 semesters)

Jadavpur University
BE (2006-2010)
Major: Electrical Engineering
GPA: 8.69/10

Indian School Certificate Exam
Standard 12
Major: Physics, Chemistry, Mathematics, Computer Science
Marks: 94.75%

Indian Certificate of Secondary Education
Standard 10
Major: Science
Marks: 95.8%

Courses:	Dynamics of Linear Systems	Linear and Non-linear Optimization
	Stochastic Modeling and Applications	Data Structures and Algorithms
	Linear Algebra	Pattern Recognition
	Computer Communication Networks	Computer Vision
	Game Theory	Stochastic Approximation Algorithms

Projects: *ME Thesis Project (August 2011 -)*
Efficient Algorithms for Reinforcement Learning and Stochastic Optimization
Applications in computing optical routing policies in networks, and control of queues.

Course Project in Topics in Pattern Recognition (September 2011-)
[Using stochastic gradient descent algorithms for large scale text classification.](#)

Course Project in Game Theory (February 2011-April 2011)
Implementation and analysis of Prediction Markets.

Course Project in Computer Vision (February 2011- April 2011)
Creating Super Resolution images using patch-manifolds

BE project (July 2009- April 2010)
Computer Vision based navigation of a Mobile Robot

**Programming
Skills:**

C/C++, MATLAB

**Scholarships and
Honors:**

Obtained Rank 1 (out of 52246 candidates) in GATE (Electrical Engineering) 2010.

Currently ranked 2 in ME Systems Science and Automation (in a class of 16)

Rank of 7 in Bachelor of Engineering (in a class of 105)

One of the 50 student delegates selected by ISRO to participate in International Astronautical Conference 2007, Hyderabad.

References:

1. Dr. Shalabh Bhatnagar
Professor
Dept of Computer Science and Automation
Indian Institute of Science
2. Mr. Sugata Munshi
Professor
Electrical Engineering Department
Jadavpur University