

# 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

Stochastic Modeling and Applications

Linear Algebra

Computer Communication Networks

Game Theory

Linear and Non-linear Optimization

Data Structures and Algorithms

Pattern Recognition

Computer Vision

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