Subhadra Dasgupta   115090024
Mathematics   2 year M.Sc.
Indian Institute of Technology Bombay Female
Specialization: Mathematics   DOB: 20/01/1990

Examination	University	Institute	Year	CPI / %
Post Graduation	IIT Bombay	IIT Bombay	2013	9.42
Undergraduate Specialization: Mathematics				
Graduation	University of Calcutta	St. Xavier's College,Kolkata	2011	8.31
Intermediate/+2	CBSE	Kendriya Vidyalaya,Haryana	2007	89.00
Matriculation	CBSE	Air Force School,Haryana	2005	87.40

CAREER OBJECTIVE

To be a part of an esteemed institute where I can get the opportunity to strive for excellence in the profession I take up using my analytical and interpersonal skills through dedication, diligence and passion.

SCHOLASTIC ACHIEVEMENTS

- Currently the **department rank 1** in **Mathematics** department at IIT Bombay
- Secured **AIR-19** in Mathematics in Joint Admission test for M.Sc., JAM 2011
- Secured **AIR-30** in Mathematical Statistics in Joint Admission test for M.Sc., JAM 2011
- Awarded certificate of **merit** and **Prof. R. Ghosh Encouragement** award for securing **1st position** in **1st, 2nd and 3rd year** of B.Sc. Mathematics with Honours

SKILLS SETS and INTERESTS

- Programming – basic knowledge of **C** and **C++**
- Statistical software: **R** (undergoing a course in coursera)
- Interested in fields like Machine Learning, Quantitative Analysis involving advanced application of subjects like Topology, Metric space, Linear Algebra, Calculus etc from mathematics
- Pursued **Honours** in Mathematics along with **minor** in **economics** and **statistics** at undergraduate level

ACADEMIC PROJECTS

Tata institute of fundamental research, Mumbai   Jun - Jul `12
Visiting Student's Research Program
- Studied and proved autonomously the theorems on contractibility of spaces, homotopy, loop structure
- Implemented the concepts of fundamental groups and lifting of a function in them
- Used the concepts of Algebraic Topology to prove independently the Fundamental theorem of Algebra

Computer programming in C++ for "M.C.Q. test ", IIT BOMBAY.   Sept – Nov `11

- Coded a program which could randomly provide a certain number of questions to the user from a database containing large collection of questions
- The program evaluated the user on the basis of their response.

RELEVANT COURSES UNDERTAKEN

Computer Programming and Utilization	Data Structures	Pattern Recognition
Linear Algebra	Optimization	Functional Analysis
Partial Differential Equations	Combinatorics	Numerical Analysis
Abstract Algebra	Multivariable Calculus	Topology
Complex Analysis	Measure Theory	Number Theory

POSITION OF RESPONSIBILITY

Department Placement Coordinator, Department of Mathematics   (July'12-present)

- Co-ordinating recruitment activities for placement of about **1300** students in **90** member team
- Acting as an *interface* between Placement office and students
- Arranging preparatory activities for students, holding aptitude tests, mock GD's, contacting department alumni and conducting buddy talks, technical sessions
- Designing department write-ups for relevant companies
- Undertaking verification of resume of each student in the department, pointing out shortcomings and suggesting improvements

EXTRA –CURRICULAR ACTIVITIES

Coordinator, Exhibitions, Techfest   Nov `11 – Jan `12
Techfest is India's largest college cultural festival, conducted by students of IIT Bombay
- Exhibitor at the Mathematics stall, displayed various new breakthroughs in mathematical world and their applications in various fields of academia and industry
- Successful in organizing the same with 5 organisers, attracting a crowd of over 5000 people over 3 days

Manager, Public Relations and Event Management, Analytica   Jul – Sept `10
Analytica is a 3 day mathematical fest of St. Xavier's College, Kolkata
- Led a team of 15 for managing and coordinating over 10 events
- Achieved a 200% growth in number of participants by introducing events catering to student demands, gauging them by studying previous years trends
- Managing security and clearances for events, ensuring smooth functioning

National Service Scheme
- **Events:** Participated in cloth collection drive from Xavier's students, donating to various NGO's
- **Educational Outreach:** Taught mathematics and science to economically weak school students

Won numerous prizes during school for music, fine arts etc.

MISCELLENEOUS

- Languages known: English, Hindi and Bengali
- Pursue swimming, singing, painting