

Vikash Chandra Sharma (06SI2005)

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ACADEMIC QUALIFICATIONS

Examination	Year	Board/University	%/CGPA
5 yr. Int. M.Sc. (Statistics and Informatics)	2006-2011	IIT Kharagpur	7.74/10
Class XII	2003	Army Public School, ND (CBSE)	88% (Math: 85 , Physics: 90 , Comp: 89)
Class X	2001	St. Xavier's School, Sahibganj (ICSE)	89.8% (Math: 99 , Science: 90)

ACADEMIC DISTINCTIONS

Competitive Examinations	<ul style="list-style-type: none">Was placed among top 0.9% of the candidates (around 3 lakh) who appeared for IIT-JEE in 2006.Was among top 2% of the candidates (more than 450,000) appearing for All India Engineering Entrance Examination (AIEEE), 2006.
Scholastic Achievements	<ul style="list-style-type: none">Has been receiving Merit-cum-Means Scholarship for the past 4 years at IIT Kharagpur.Was awarded a Letter of Appreciation by the Director of Army Public School, New Delhi for outstanding scholastic performance in 2003.1st in Mathematics in Class X Board Exams out of 120 students of St. Xavier's School, Sahibganj.

PROJECTS

Summer Project	Guide: Prof. Chandan Chakraborty, School of Medical Science and Technology IIT Kharagpur (May 2010 - July 2010)
Project details	<ul style="list-style-type: none">Time Series Modelling of the RR Interval extracted from the ECG data of a congestive heart failure patient and its comparison with the RR Interval of a Normal Heart patient using Mat Lab.Project aims at easier understanding of ECG data and better diagnosis of patients by the prediction of Heart- rate variability.
Research	<ul style="list-style-type: none">Successfully completed the project and built a Time Series model with least Energy. (Autoregressive model of order 3)Comparison showed that patient suffering from Congestive Heart Failure patient's data followed the same model as that of a normal patient but of higher order.
On-Semester Project	Guide: Prof. N. Chakraborti, Metallurgy and Materials Engineering IIT Kharagpur (Autumn-2008)
Project Details	<ul style="list-style-type: none">Family Budget Optimizing Algorithm implemented in C using the real coded Genetic algorithm utilizing the greedy technique and constraint handling capabilitiesProject aims at Optimizing the utility of any product in the list of monthly budget of a family under the given income constraint.
Research	<ul style="list-style-type: none">There was variation from the optimal value of total utility from the results obtained from MATLAB by 6-8%.It is, however, capable of optimizing all integers, discrete and continuous variables and capable of handling non-linear objective functions with multiple non-trivial constraints.

Other Short term Projects

Project Details

- Advanced Programming for the implementation of Algorithms like Dijkstra , Prim, Ford Fulkerson, Binary Search tree and B tree under the guidance of Prof. D.K Gupta and Associate Prof. P.V.S.N. Murthy

SHORT TERM COURSES

Seminars

- Completed a workshop on **SAS** conducted by the **IVY Professional School** at IIT Kharagpur and was awarded Certificate of Completion (Jan 16, 2010).
- Attended a day workshop conducted by the **Entrepreneur Cell, IIT Kharagpur** on Web designing tools (Web-2.0).

Courses

- Done courses on Econometric Analysis, Regression Analysis and Financial Engineering
- Completed a course on Multi-Objective Optimization using Genetic Algorithm

SOFTWARE SKILLS

Operating System

- Windows, Linux

Programming

- C, C++, HTML

Simulation Tools

- SAS, R, MATLAB, AutoCAD

MS Office

- Excel , Word, PowerPoint

Others

- Photoshop

POSITION OF RESPONSIBILITY

School

- Head of the Dramatics Team and won the best play award for the play- “Merchant of Venice-(ACT V)”, '01(Role: I was to guide a group of students during the rehearsing of the play and help them come out with an outstanding performance)
- Head of the Study Circle Group'01(Class was divided into various groups and each group was assigned a head. It was the head's duty to take care of the problems of group members regarding their studies and guide them)
- Prefect in Class XI and Class XII'03(Maintain class discipline and co-ordination)

EXTRA CURRICULAR ACHIEVEMENTS

IIT Kharagpur

- Worked as a volunteer in the Decoration Team of the Techno-management fest Kshitij'06 held at IIT Kharagpur.
- Worked in the Decoration Team of Illumination of R.P.Hall'07 and won a gold medal.
- Won a 1st prize in QUIZZARDS of OZ (COMPOSIT-2009) at IIT Kharagpur.
- I have attended the NCC camp (2006) and was under NCC 1-Bengal EME Coy for one year

School

- Won a 2nd prize in my district for Painting and Poster making competition
 - Won a 1st prize in Inter-House Quiz competition in my school'01
 - Represented Army Public School for Inter-School table tennis tournament'03
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