

## ACADEMIC QUALIFICATIONS

EXAMINATION	YEAR	BOARD/UNIVERSITY	%/CGPA
MSc. Integrated (Statistics and Informatics)	2011	IIT Kharagpur	8.02
Class XII (Andhra Pradesh Board)	2006	St.Patrick's Junior College, Hyderabad	94.4%
Class X (CBSE)	2004	Sri Vidya Secondary School, Hyderabad	88.4%

## PROJECTS

IIT, Hyderabad 2010	<ul style="list-style-type: none"> <li>DNA sequencing problem solved by applications of <b>Time Series &amp; Forecasting</b></li> <li>Performed Non-linear Time series analysis to obtain periodic pattern in DNA sequences</li> <li>Only candidate among 20 research scholars to present a seminar on <b>Time Series applications of R</b></li> <li>Speech &amp; Vision Lab commended computational propensity of project, granted IIT scholarship</li> </ul>
IIT Kharagpur 2009-2010	<ul style="list-style-type: none"> <li>Research Project on <b>Computational Queuing Theory</b></li> <li><b>MAPLE</b> computational software used to analyze Queuing Systems used in Computer Networks</li> <li>All existing results were theoretical. This was a <b>first attempt</b> to solve the problem computationally</li> <li>Solutions also established for Queuing Systems that analytical attempts failed to solve</li> </ul>
IISER, Pune 2009	<ul style="list-style-type: none"> <li>Numerical Approach for fast simulation of Multivariate Simultaneous Partial Differential Equations</li> <li>Composed a <b>Parallel Algorithm</b> to implement <b>Parallel Computing</b></li> <li>Achieved a desirable level of accuracy at a solution rate <b>10<sup>4</sup> times faster</b> than traditional procedure</li> <li>The model finds applications in synchronized study of <b>Bio-Physical networks</b></li> </ul>
IIT Kharagpur 2009	<ul style="list-style-type: none"> <li><b>Ant Colony Optimization</b> using <b>Genetic Algorithm</b> for optimal arrangement of Chemical reactors</li> <li>Chemical reactors of different volumes and 2 types arranged to maximize chemical output</li> <li>The term project was awarded <b>10/10</b> for the prudent application of Genetic Algorithms</li> </ul>

## SCHOLASTIC ACHIEVEMENTS

- Received Research Fellowship of Indian Academy of Sciences, 2009 awarded to **top 50** among **10,000** applicants
- Awarded the prestigious Margadarsi Scholarship for being the **best outgoing student** in school (2004)
- Only student to be awarded **first prize** in **General Proficiency** for six years straight in school
- Stood among top 1% (**58<sup>th</sup> in Andhra Pradesh**) in Young Scientist Contest, 2003

Programming Languages	C, Java	Software Technologies	R, Excel(Macros), Maple
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## POSITIONS OF RESPONSIBILITY

Family Head, Spring Fest, 2009	<ul style="list-style-type: none"> <li>In-charge of Dramatics (RangManch, IMeMyself), Quiz (Mary-Bucknell Trophy) events</li> <li>Coordination with Judges/Quizmasters, Reception of visiting dignitaries</li> <li>Organization of venue, lights and sound equipment for dramatics and guidance to participants</li> </ul>
Maintenance Committee Member, HJB Hall, 2009	<ul style="list-style-type: none"> <li><b>First</b> ever participation in Inter Hall gardening competition</li> <li>Proposed and successfully implemented the construction of Badminton Court for the hostel</li> <li>Successful organization of mass public events like Hostel Night, Illumination and Rangoli</li> <li>Overview of electrical, internet connection, sanitary issues of a hostel of <b>300</b> boarders.</li> </ul>

## EXTRA CURRICULAR ACTIVITIES

Chess	<ul style="list-style-type: none"> <li>Stood <b>5<sup>th</sup> among 50</b> participants at district level selection round for inter-district selections, 2005</li> <li>Member of hostel chess team of HJB Hall that stood <b>4<sup>th</sup> in Inter-hall</b> competitions, 2010</li> </ul>
Essay Writing	<ul style="list-style-type: none"> <li><b>State 1<sup>st</sup></b> in AP SEssay Writing contest held by Ministry of Petroleum, Govt. of India, 2004</li> </ul>
Social Initiative	<ul style="list-style-type: none"> <li>Volunteer of National Service Scheme for two years</li> <li>Participated in NSS camp at Balrampur village for collection of clothes and distribution to poor</li> <li>Led the Poster team that designed posters for rally about social awareness</li> </ul>
Miscellaneous	<ul style="list-style-type: none"> <li>Directed a 3-minute-film that stood <b>first among 15</b> short films in Kshitij 2009, IIT Kharagpur</li> <li>Secured <b>Green Belt</b> in <b>Karate</b> under Budokan Federation</li> </ul>