

# GAUTAM KUMAR

Date of Birth: 11-01-1989

C-316, LLR Hall of Residence, IIT Kharagpur

Mobile: +91 - 9635145205

Email: gautamkumar.iit@gmail.com



## EDUCATION

<i>B.Tech.(Hons.), Computer Science and Engineering</i>	2011	9.91 / 10.00	IIT Kharagpur
<i>Class XII (CBSE)</i>	2006	94.2 %	D. L. D. A. V. Model School, New Delhi
<i>Class X (CBSE)</i>	2004	93.8 %	D. L. D. A. V. Model School, New Delhi

## ACADEMIC DISTINCTIONS

SCHOLASTIC ACHIEVEMENTS	<ul style="list-style-type: none"><li>Present <b>Institute Rank 1</b> at IIT Kharagpur</li><li>Perfect Semester Grade Point Average of <b>10.00 / 10.00</b> in <b>2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup></b> semesters</li><li><b>1<sup>st</sup> in School</b> in overall aggregate in Class XII</li></ul>
AWARDS AND HONORS	<ul style="list-style-type: none"><li>Received <b>Letter of Commendation</b> from <b>Dean of Undergraduate Studies</b>, IIT Kharagpur for academic excellence</li><li>Awarded John Von Neuman Award, R. M. Lalwani Prize, Charubala Devi Memorial Prize and J. C. Ghosh Memorial Prize for being adjudged the <b>Best Student at IIT Kharagpur</b> in order of merit in the <b>Third year</b> classes, 2009-2010</li><li>Awarded Class of 1970 Alumni (US) Association Prize and IIT Kharagpur Alumni (California Chapter) Award for being adjudged the <b>Best Student at IIT Kharagpur</b> in order of merit in the <b>Second year</b> classes, 2008-2009</li><li>Adjudged <b>“Computer Whiz Kid”</b> of School, 2005</li></ul>
SCHOLARSHIPS	<ul style="list-style-type: none"><li>Recipient of <b>O.P. Jindal Engineering and Management Scholarship</b> (OPJEMS), 2010</li><li>Recipient of <b>Goralal Syngal Memorial Scholarship</b>, IIT Kharagpur for the session 2009-2010</li><li>Recipient of <b>Madan Sundar Sahu Memorial Scholarship</b>, IIT Kharagpur for the session 2008-2009</li></ul>

## PUBLICATIONS

- Paper titled “CosMig: The Cost of Reconfiguration in a Cloud” accepted at **International Middleware Conference**, Nov – Dec 2010
- Paper titled “Creating Wheel-thrown Potteries in Digital Space” accepted at **International Conference on Arts and Technology: ArtsIT 2009**
  - Published in Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, **Springer**
  - Extended version **invited** for publication in **International Journal of Arts and Technology, 2010**

## INTERNSHIPS AND RESEARCH EXPERIENCE

- École Polytechnique Fédérale de Lausanne (EPFL), Switzerland** (May 2010 - July 2010)
  - Title: *Predicting Policy Changes that can inflict divergence in Border Gateway Protocol* **Guide:** Prof. Dejan Kostić, Networked System Lab
  - Received **Inventorship** in the **Patent** being filed “Predicting faults in large scale systems”, **Paper** presently in preparation
- IBM India Research Lab** (June - November 2009)
  - Title: *The Cost of Live Migration* **Guide:** Akshat Verma, IT Optimization Group
  - Resulted in the **Paper** titled “CosMig: The Cost of Reconfiguration in a Cloud”
- Bachelor’s Thesis Project, IIT Kharagpur** (August 2010 - Present)
  - Title: *Design of a Smart Scheduler for Virtualized Environments* **Guide:** Prof. Arobinda Gupta, Dept. of Computer Science
  - Working on scheduling Virtual Machines on Physical servers to increase the overall application throughput

## POSITIONS OF RESPONSIBILITY

DEPARTMENT REPRESENTATIVE	<ul style="list-style-type: none"><li><b>Undergraduate Academic Advisory Committee</b>, 2009 – 2011<ul style="list-style-type: none"><li><b>Nominated</b> by <b>Head of the Department</b> to be a part of the 4 member committee</li><li>Student Representative for feedback regarding courses and suggesting changes in curriculum</li></ul></li></ul>						
CAPTAIN	<ul style="list-style-type: none"><li><b>Nominated</b> to lead the Hall Team in the following events in Gymkhana General Championships, 2010 – 2011</li></ul>						
	<table><tr><td>Opensoft</td><td><ul style="list-style-type: none"><li>Steered the Hall Team to <b>1<sup>st</sup> Prize</b> in 2009 – 2010 as the Coordinator</li><li>Conducted <b>Java Workshop</b> for the Freshmen Batch</li></ul></td></tr><tr><td>Debate English Elocution</td><td><ul style="list-style-type: none"><li>Mentored the Freshmen Debate team that bagged <b>all 3 positions</b> in <b>Foundation Day Debate</b>, 2010</li></ul></td></tr><tr><td>What’s the Good Word Dumb - Charades</td><td><ul style="list-style-type: none"><li>Organizing weekly practice sessions to ensure competent participation in the Inter – Hall Events</li></ul></td></tr></table>	Opensoft	<ul style="list-style-type: none"><li>Steered the Hall Team to <b>1<sup>st</sup> Prize</b> in 2009 – 2010 as the Coordinator</li><li>Conducted <b>Java Workshop</b> for the Freshmen Batch</li></ul>	Debate English Elocution	<ul style="list-style-type: none"><li>Mentored the Freshmen Debate team that bagged <b>all 3 positions</b> in <b>Foundation Day Debate</b>, 2010</li></ul>	What’s the Good Word Dumb - Charades	<ul style="list-style-type: none"><li>Organizing weekly practice sessions to ensure competent participation in the Inter – Hall Events</li></ul>
Opensoft	<ul style="list-style-type: none"><li>Steered the Hall Team to <b>1<sup>st</sup> Prize</b> in 2009 – 2010 as the Coordinator</li><li>Conducted <b>Java Workshop</b> for the Freshmen Batch</li></ul>						
Debate English Elocution	<ul style="list-style-type: none"><li>Mentored the Freshmen Debate team that bagged <b>all 3 positions</b> in <b>Foundation Day Debate</b>, 2010</li></ul>						
What’s the Good Word Dumb - Charades	<ul style="list-style-type: none"><li>Organizing weekly practice sessions to ensure competent participation in the Inter – Hall Events</li></ul>						

## EXTRA – CURRICULAR ACHIEVEMENTS

LITERARY AND DRAMATICS	<ul style="list-style-type: none"><li>Won <b>Gold Medal</b>, Inter - Hall <b>English Dramatics</b>, 2009 - 2010</li><li>Won <b>2<sup>nd</sup> Prize</b>, <b>Dumb - Charades</b> Competition in <b>National Level</b> Cultural Fest, Spring Fest, 2010</li><li>Led the <b>Presentation Team</b> of Lala Lajpat Rai Hall to <b>Silver Medal</b> in Inter - Hall <b>Illumination</b>, 2009 &amp; 2010</li><li>Awarded <b>“Orator Par Excellence”</b> of the School, 2005</li><li>Awarded <b>Best Hindi Speaker and Debater</b> of the School, 2003</li></ul>
TECHNICAL	<ul style="list-style-type: none"><li>Won <b>Gold Medal</b>, Inter - Hall <b>Software Design Competition</b> (Opensoft), 2009 - 2010</li><li>Won <b>3<sup>rd</sup> Prize</b>, <b>Circuit Design Competition</b> (Anadigix) in <b>National Level</b> Technical Fest, Kshitij, 2010</li><li>Stood <b>5<sup>th</sup></b>, Overnite ACM - ICPC Multi Provincial <b>Programming Competition</b>, 2010</li></ul>

## TECHNICAL SKILLS

C, C++, Java, Perl, Python, LISP, PROLOG, Verilog HDL, Shell Scripting, Matlab, Auto-CAD, LATEX, HTML, PHP/MySQL