

# SUSHANT GUPTA

MALE, 22 YRS



## EDUCATION

B.Tech. + M.Tech. (Fifth year student)	Computer Science & Engineering, <b>IIT Kharagpur</b>	8.53/10	2011
Class XII	Central Board of Secondary Education	90.2%	2006
Class X	Central Board of Secondary Education	94.0%	2004

## ENTREPRENEURSHIP

**Co-Founder and Team Leader at MicroMed** – An innovative clinical diagnostics delivery model. Responsibilities:

- **Product conceptualization**, market identification, development and proof of concept
- **Business development** and raising funds through grants and aid
- Runner up in **DFJ Cisco Global B-Plan Competition**, 2010. Only Indian team among the 16 finalists worldwide <http://indiatoday.intoday.in/site/Story/104885/Business/iitkharagpur-team-bags-global-biz-plan-prize.html>
- Interview in **Economic Times**: <http://economictimes.indiatimes.com/articleshow/6509561.cms>
- Seed funding from IIT Kharagpur (USD 25,000) and collaborations with four major healthcare service providers

## INTERNSHIPS AND PROJECTS

<b>University of BC, Vancouver</b>	2010	Resolved NP-hardness proofs of DNA Multi-Stranded Structure Prediction with extensions to energy. Developed Java programs to analyse folding pathways and structural processes.
<b>UC Berkeley, CA</b>	2009	Developed a web-based graphical viewer for phylogenetic trees and alignments. Conducted experiments to provide a proof-of-concept for an iterated form of the alignment method.
<b>GM India: Sponsored project</b>	2008	Developed a Java-based software testing application to construct a graph given the structure and components of a commercial piece of software. Enhancements: scroll, collapse and UI.
<b>LIRMM Lab, CNRS, France</b>	2008	Investigated the possibility of using evolution timeline information to build large phylogenies from smaller gene trees. Developed bioinformatics programs and analyzed genetic data.
<b>Adani Group, Ahmedabad</b>	2007	Project: SAP ERP (Enterprise Portal). Developed customized web pages on SAP NWDS platform and deployed it on J2EE engine at Adani Group (Yearly revenue: USD3.5b)

## PUBLICATIONS

- **Patent**: “An apparatus for automating pathological procedures”, D. Chakraborty, S. Gupta, S. Chakraborty (2010)<sup>^</sup>
- **Paper**: “Multi stranded structure prediction: Structural and energy considerations”, S. Gupta, A. Condon, C. Thachuk<sup>\*</sup>
- **Poster**: “SATCHMO: Use of two-track HMMs”, S. Gupta, J. Mukhopadhyay, K. Sjölander” (2010)  
<sup>^</sup>provisional    <sup>\*</sup>to be submitted    <sup>\*</sup>International Symposium on Emerging Trends in Infectious Diseases: TB & GI infections

## ACADEMIC ACHIEVEMENTS AND AWARDS

- Awarded with **MITACS Globalink Research Assistantship** by MITACS Inc., 2010
- Awarded with **French Embassy Incentive Scholarship** by EGIDE, Government of France, 2008
- Secured All India **Rank 474 on 299,288** students who appeared in **IITJEE**, Entrance Exam for IITs, 2006
- Awarded with National Talent Search **NTSE Scholarship** by NCERT, Government of India, 2004
- Awarded with merit certificate for being among **top 0.1%** students in Science subject in **CBSE X** examination, 2004

## EXTRACURRICULAR ACTIVITIES AND ACHIEVEMENTS

- **Field Hockey**: Represented IIT Kharagpur in Shaurya 2008 and won **gold**. Won gold in inter-hall games (2010)
- UG Representative, **Academic Advisory Committee**, Computer Science and Engineering, IIT Kharagpur (09-10)
- **Subhead**, Webteam, Kshitij'08, annual techno-management fest organized by IIT Kharagpur
- **Volunteering**: Taught high school Math to aboriginal children at Native Education College, **Vancouver BC**
- **Travelling**: Been to Vancouver, San Francisco, Barcelona, Paris, Rome, Amsterdam, Singapore and Kuala Lumpur

PHONE : +91-9832754608 • E-MAIL : [sushantgupta@gmail.com](mailto:sushantgupta@gmail.com), [sushantg@iitkgp.ac.in](mailto:sushantg@iitkgp.ac.in)  
C-114, Azad Hall of Residence, Indian Institute of Technology, Kharagpur, West Bengal 721302 (INDIA)