

# Pratik Agrawal

C-327, R.K Hall of Residence  
IIT Kharagpur

Email – pratik.garg89@gmail.com  
Phone No – +91 9734404990

## ACADEMIC QUALIFICATIONS

Year	Examination/Degree	College/University	CGPA / %
2011	B. Tech Hons, Computer Engineering	IIT Kharagpur	8.77 /10.00
2007	AISSE(CBSE) (XII)	DAV Public School, Delhi	84.2 %
2005	AISSE (CBSE) (X)	St Joseph Public School, Patna	93.8 %

## ACADEMIC DISTINCTIONS

RANKS AND SCHOLASTIC ACHIEVEMENTS	<ul style="list-style-type: none"><li>All India Rank 367 in IIT JEE 2007.</li><li>Awarded CBSE Merit Scholarship for Professional Studies.</li><li>Ranked among the top 300 students in India in the National Standard Examination in Chemistry Olympiad conducted by HBCSE – 2006.</li><li>Merit Certificate for being among the top 0.1% of successful students in Science in AISSE 2005</li><li>2nd prize for the marketing plan for Steel Authority of India Limited in Envision, during Madison 2010.</li><li>Secured 9<sup>th</sup> rank in Overnite ACM/ICPC 2009 Multi-Provincial Programming Contest.</li></ul>
-----------------------------------	--

## PROJECTS

### Mining of mobility data of mobile users

July 2010 – present

Mentor – Prof Sudesna Sarkar and Prof Partha Pratim Chakrabarti

Sponsor – Xerox Corporation, USA

- Focuses on developing data mining algorithms for extracting interesting patterns and knowledge out of spatio-temporal data generated by mobile users.
- Developing situation simulator aid as an aid to group pattern mining

### USB Drive Security System

March 2009 - April 2009

Developed software that could be used to store data securely on a pen drive. The files were encrypted using the AES-128 algorithm. The password security was achieved using SHA2 hash. It was designed for both Linux and Windows platform.

## RELEVANT COURSE

- Introduction to Financial Management
- Industrial Economics

## INTERSHIPS

Summer Internship	Microsoft IDC,Contextual Advertising	May 2010 to July 2010
<ul style="list-style-type: none"><li>Studying the current system to increase the contextual relevance of advertisements in web-pages.</li><li>Developed a new Keyword extraction framework to extract relevant keywords from advertisement landing page, publisher page and advertisement.</li></ul>		

## POSITIONS OF RESPONSIBILITY

MEMBER , Strategic Team, CRY	<ul style="list-style-type: none"><li>Worked to ensure availability of proper facilities for Physically Disabled Students in the campus and managed the scheduling and operation of access audit of IIT Kharagpur campus.</li><li>Worked to ensure implementation government programs in schools in villages of Kharagpur.</li><li>Working on awareness campaign in villages around Kharagpur.</li></ul>
HEAD ,CSE Department Society	<ul style="list-style-type: none"><li>Organizing Head of Bitwise 2011 programming contest hosted by CSE,IIT Kharagpur.</li><li>Working on ensuring participation from more than 65 countries and coordinating publicity team for the same and also the coordinator of sponsorship team</li></ul>

## EXTRA CURRICULAR ACTIVITIES

- Computer Maintenance Secretary ,RK Hall of Residence, 2007 – 2008
- Member, Inter hall opensoft team.
- Group leader of NSS team under Prof. Seema Murgan in 2008 – 2009.