

# Suvrat Hiran

+919932573178, hiran.suvrat@gmail.com

## Education

Examination	Year	Board/University	%/CGPA
Integrated M.Sc, Statistics and informatics	2011	IIT Kharagpur	7.84/10
Class XII, CBSE	2006	Delhi Public School	83.0%
Class X, CBSE	2004	Delhi Public School	89.2%

## Academic Achievements / Scholarship received

- *Sarvotam* scholarship under Prime Minister Trophy; amongst top 10 from total of 1000 students, 2006-present
- Among 10 students in school who received Scholar Gold Medal for 9 consecutive years, 1994-04
- 2<sup>nd</sup> prize in International Computer Olympiad held at City Montessori School, Lucknow, 2002
- Within top 1.5% from total of 10000 in National Science Olympiad, 2005
- B-level merit certificate in National Mathematics Olympiad for being amongst top 10% in country, 2003

## Publication

- Co-authored a research paper published in Nucleic Acids Research, **Oxford's Journal** (May 10)

## Key Projects

- M.Sc project, IIT Kharagpur (Jul 10 – present)
  - Sentiment analysis and opinion mining using machine learning techniques under the guidance of Prof. A. Goswami, Department of Mathematics
- Semi-autonomous maze solver robot, IIT Kharagpur (Aug – Sep 06)
  - Developed a .NET framework based software which captures continuous images of a dynamic maze, calculates the shortest path and guides a robot through it

## Industry Experience / Internship

- Development team, **Yahoo! Software Development Pvt. Limited** (May – Jul 10)
  - Developed a *perl* package to find pool of words related to a given word helping advertisers to target 621 million users who use Yahoo! search engine
  - Explored several non-orthodox topics like using social profile, communities of interest, recommendation systems and clustering algorithms to improve targeted online advertising
- Research team, **University of Gottingen, Germany** (May – Jul 09)
  - Improved current version of Dailign program for sequence alignment by incorporating protein secondary structure information by an average of 2-3% on benchmark cases
  - Offered a research scholar position in department of bioinformatics, University of Gottingen
- Analytics team, **Genpact** (May – Jun 08)
  - Automated credit risk calculation using VBA which saved 70% of total time required for the process
  - Calculations done on quarterly basis are now done every 10 days giving update information to clients

## Positions of responsibility

- **Microsoft Student Partner**, Microsoft ambassador to IIT Kharagpur (Oct 08 – present)
  - Conducted 4 technical sessions to improve awareness of Microsoft product with average of 70 students
  - Organized conference for academic collaboration of law school, IIT Kharagpur with Microsoft
  - Working as collaborator in *IEEE TechSym 2010* and *Aarambh*, an NGO, working for digital literacy
- **Captain of Inter-hall Opensoft (programming) team**, (Jul 08 - 10)
  - Guided a team of 20-25 students in various programming competitions in and outside the campus
  - Developed a novel digital watermarking technique which won 2<sup>nd</sup> prize in *inter-hall* competition
  - Among top 30 teams of 700 in **ACM/ICPC** Multi-Provincial Programming contest in 2009 and 2010
- Coordinator, *Kshitij* (Jan 09)
  - Managed logistics of a live concert of 2000 strength audience at asia's largest techno-management fest

## Extra-curricular Activities

- Table tennis
  - Represented *Durg* zone at state level table tennis tournament in sub-juniors category in 2002
  - Represented DPS Bhilai thrice at CBSE cluster level tournament in 2002, 2003 and 2004
  - Captain of my hostel table tennis team for academic session 2009-2010
  - Won one silver and two bronze in *inter-hall* tournament in 2010, 2009, 2007 respectively
- Member of bronze winning hostel football team, 2009. Member of athletics and chess team