
AKASH DAS SARMA

JUNIOR (3rd YEAR), COMPUTER SCIENCE AND ENGINEERING
IIT KANPUR

EDUCATION

Degree	Institution	Score	Year
B. Tech., CSE	IIT Kanpur	9.9/10.0	2008-present
AISSCE (12 th grade)	National Public School Rajajinagar	94.6%	2007-2008

RESEARCH ACTIVITIES, TECHNICAL WRITINGS AND PUBLICATIONS

- Worked under Prof. Jennifer Widom, Stanford University InfoLab during May-July 2010 on the **PANDA Project** - <http://infolab.stanford.edu/panda/>. Project involved a theoretical analysis and exploration of **provenance tracing in data-oriented workflows using attribute mappings**. Technical report available on request.
- Worked under Prof. Y. Narahari, Computer Science and Automation, Indian Institute of Science, Bangalore from May-July 2009 on **Truthful Multi-Armed Bandit Mechanisms for Multi-Slot Sponsored Search Auctions**. The manuscript is currently undergoing revisions for a future journal submission. Paper also available on ArXiv - <http://arxiv.org/abs/1001.1414>.
- Worked under Prof. Arindam Ghosh, Department of Physics, Indian Institute of Science, Bangalore during June-July 2008 on Scanning Tunneling Microscopy (STM). Submitted a technical report describing and detailing various tip preparation techniques. Designed a simple system for the preparation of good Platinum tips and performed basic imaging on HOPG using an STM. Project report available on request.

ACADEMIC ACHIEVEMENTS

- Awarded the SIGMOD 2010 Student Travel Grant to attend SIGMOD/PODS 2010, Indianapolis, USA
- Awarded with a certificate for **Academic Excellence** in IITK for the year 2008-09.
- Cumulative Performance Index of 9.9/10 at the end of four semesters.
- Recipient of **CBSE Merit Scholarship** for Professional studies (2008-2012) from Central Board of Education for being among top 300 engineering students in India, 2008.
- Short listed for **Aditya Birla Scholarship** among top 20 engineering students over all IITs and BITS universities, 2008.
- Awarded national **KVPY Scholarship** for basic sciences, 2006 (Awarded to top 120 students across India).
- One among the selected 5-10 international participants at the **Canada/USA Mathcamp** 2006 with scholarship.
- Awarded **NTSE** (National Talent Search Examination) Scholarship, 2006 (Awarded to top 750 students across India).
- Represented the state of Karnataka in the Mathematics Olympiad, Chemistry Olympiad and the Astronomy Olympiad over a number of years.

EXTRA-CURRICULAR ACTIVITIES

• SPORTS

– Chess

- * FIDE Rated 2113.
- * Captain of the IITK chess team 2010-11.
- * Member of IITK chess team placed fourth at the Inter-IIT Sports Meet 2009-10.
- * One Gold (Classical event), one Silver (Blitz event) and one Bronze Medal (Puzzle-solving) at the inter-college sports tournament, BOSM 09.
- * Awarded the Best Incoming Sportsperson of IITK 2008-09.
- * Bronze medal at the Inter-IIT Sports tournament 2008-09.
- * Winner in chess, Josh 2008-09.
- * Represented the state of Karnataka at the nationals in various age categories over the past several years.

– Table-Tennis

- * Silver Medal at the MNIT inter-college sports event, 2008.
- * CPA 2008-09.
- * Member of the hostel team.

– Basketball

- * Bronze Medal in Varchasva 2009-10.
- * Member of the hostel team.

• MUSIC - TABLA, AN INDIAN PERCUSSION INSTRUMENT

- Passed with distinction the Karnataka state Tabla examination at the Junior and Senior Levels.
- Active member of the IITK Music Club.
- Active participant of all intra- and inter- hostel cultural events.
- Given many performances, both solo and as an accompanying artist.

• STUDENT GOVERNMENT

- School Senior Sports Captain 2007-08.
- School Senior Sports Captain 2006-07.
- School House Vice-Captain 2005-06.

GENERAL INFORMATION

Email Id : akashds@iitk.ac.in
Residential Address : NE-06, Indian Institute of Science, Bangalore - 560012
Gender : Male
Date of Birth : 8 May 1991
