

Nitin Saxena

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OBJECTIVE Research position in Computational Algebra, Number Theory and Complexity Theory.

BIODATA **Date/Place of birth:** 3rd May 1981, Allahabad, India.

Nationality: Indian.

Marital Status: Married.

Correspondence address: as above.

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EDUCATION ♦ **Indian Institute of Technology, Kanpur, India.**

Doctor of Philosophy (PhD.), 2002-2006.

Computer Science & Engineering.

My CPI was 9.7 out of 10.0 (GPA 3.9/4.0).

♦ **Indian Institute of Technology, Kanpur, India.**

Bachelor of Technology (B.Tech), 1998-2002.

Computer Science & Engineering.

My CPI was 9.2 out of 10.0 (GPA 3.6/4.0).

EXPERIENCE ♦ **Bonn Junior Fellow**, Hausdorff Center for Mathematics, Bonn, Germany (Summer 2008 - Summer 2013).

♦ **Scientific Researcher**, Quantum Computing and Advanced Systems Research, CWI, Amsterdam, The Netherlands (Fall 2006 - Summer 2008).

♦ **Visiting Scholar**, Department of Computer Science, National University of Singapore (Fall 2004 - Summer 2005).

♦ **Visiting Student Research Collaborator**, Department of Computer Science, Princeton University, Princeton, NJ 08544, USA (Fall 2003 - Summer 2004).

AWARDS ♦ **Gödel Prize: 2006**

I was awarded the Gödel Prize for the year 2006 for my paper: *PRIMES is in P* with Manindra Agrawal and Neeraj Kayal (<http://sigact.acm.org/prizes/godel/>).

♦ **Fulkerson Prize: 2006**

I was awarded the AMS-MPS Delbert Ray Fulkerson Prize for the year 2006 for my paper: *PRIMES is in P* with Manindra Agrawal and Neeraj Kayal (<http://www.ams.org/prizes/fulkerson-prize.html>).

◇ **IEEE Conference on Computational Complexity Awards: 2006**

I was awarded both the Best Paper Award and the Ronald V. Book Best Student Paper Award for my paper on *Polynomial Identity Testing for Depth 3 Circuits* with Neeraj Kayal.

◇ **IBM Award: 2005**

I was awarded the Outstanding PhD Student Award of IBM India Research Lab for the year 2005.

◇ **Distinguished Alumnus Award: 2003**

I was awarded the Distinguished Alumnus Award of IIT Kanpur, for the year 2003, in recognition of my contribution to the development of a Polynomial Time Algorithm for Primality Testing (<http://www.iitkcalumni.org/daa/DAAProfile2.asp?id=39>).

◇ **Global Indus Technovators Awards: 2003**

I was selected for an honorable mention for these awards for the year 2003, in recognition of my contribution to the development of a Polynomial Time Algorithm for Primality Testing (<http://technovators.mit.edu/winner2003.php>).

◇ **Infosys Fellowship: 2002-2006**

I was awarded Infosys Fellowship to support my graduate studies at IIT Kanpur.

◇ **Best B.Tech Project Award: 2002**

I was awarded the best B.Tech Project award for my undergraduate thesis on Primality Testing. I did the project with Neeraj Kayal under the supervision of Prof Manindra Agrawal.

◇ **Notional Scholarship: 1999**

The scholarship was awarded by IIT Kanpur for excellent performance in the first 2 semesters of study under the B.Tech program where I obtained CPI of 10.0/10.0 and 9.8/10.0 in the first 2 semesters.

◇ **Indian National Mathematics Olympiad: 1997**

I was ranked 8th among the 33 students selected all over India to attend the International Mathematics Olympiad Training Camp (IMOTC '97 & IMOTC '98). I was awarded the Prize for "Best Solution to a Challenging Problem" in both the Camps.

◇ **Regional Mathematics Olympiad: 1996**

I was ranked 4th among the 26 students selected all over the state of UP, India.

- PROFESSIONAL ACTIVITIES
- ◇ Invited Speaker, Number Theory Seminar at Max Planck Institute, Bonn, Germany, 2008.
 - ◇ Invited to Dagstuhl meeting on *Algebraic Methods in Computational Complexity*, Germany, 2007.
 - ◇ Invited to Oberwolfach meeting on *Complexity Theory*, Germany, 2007.
 - ◇ Invited Speaker, General Mathematics Colloquium at University of Amsterdam, 2007.
 - ◇ Gave a mini-course on *Factoring polynomials over a finite field* at University of Turku, Finland, 2007.
 - ◇ Invited Speaker, Conference on Algorithmic Number Theory, Turku, 2007.
 - ◇ Invited Speaker, Dutch Theory Day 2007.
 - ◇ Invited Speaker, Indocrypt 2002.

REFERENCES

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