CURRICULUM-VITAE

SARTAJ UL HASAN
Research Scholar
Department of Mathematics
Indian Institute of Technology Bombay
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PROFESSIONAL EXPERIENCE:

- Teaching Assistant for B.Tech Classes (Calculus, Vector Calculus and Linear Algebra), Department of Mathematics, Indian Institute of Technology Bombay, July 2003- Present.
- Research Scholar, Department of Mathematics, Indian institute of Technology Bombay, July 2002- Present.

EDUCATIONAL QUALIFICATIONS:

- **Doctor of Philosophy (Ph.D.) Mathematics**

  Currently Pursuing Department of Mathematics, Indian Institute of Technology Bombay, India.

  - **Thesis Title:** Higher Weights of Projective Reed-Müller Codes.
  - **Thesis Advisor**: Prof Sudhir R. Ghorpade.
  - **Institute:** Indian Institute of Technology Bombay, India.
  - **Joining Date:** 18th July 2002 **(Currently Persuing)**
  - **Courses Credited (Pre PhD Course):** Algebra, Elementary Number Theory, Analysis, Commutative Algebra, Functional Analysis, Algebraic Geometry.
- **Master of Science (M.Sc.) Mathematics**
  - **University:** Aligarh Muslim University, Aligarh, India.
  - **Percentage:** 85% **(First Class with First Positin)**.
  - **Graduation:** June 2001 .
  - **Courses Credited:** Algebra-I, Functional Analysis, Real & Complex Analysis, Topology & Calculus of Several Variables, Mechanics, Algebra-II, Spectral Theory & Differential Equations, Computer Oriented Numerical Analysis, Mathematical Methods, Algebraic Topology & Differentiable Manifolds.
- **Bachelor of Science (B.Sc.)**
  - **University:** M.J.P Rohilkhan University, Barielly, India.

- **Percentage:** 75.8% **(First Class with First Positin)**.
- **Graduation:** June 1999 .
- **Courses Credited:** Mathematics, Physics, Chemistry.

SOFTWARE EXPOSURE:

- **Computing platforms:** Linux, Windows 2000.
- **Programming languages:** C, HTML and Web design.
- **Mathematical Softwares:** Singular, Mu-pad, Macaulay-2.
- **Text formatting and office computing:** LaTeX, Microsoft Word and Power point.

RESEARCH INTEREST:

- Algebraic Coding Theory
- Algebraic Geometry
- Commutative Algebra

AWARDS/FELLOWSHIPS:

1. Senior Research Fellowship [From Ministry of Human Resources Development (MHRD), Govt. of India], for the Graduate Study at Indian Institute of Technology Bombay, July 2002-Present.
2. Junior Research Fellowship [From Ministry of Human Resources Development (MHRD), Govt. of India], for the Graduate Study at Indian Institute of Technology Bombay, July 2002-July 2005.
3. Graduate Aptitude Test in Engineering(GATE), an All-India Examination conducted by the seven Indian Institutes of Technology and the Indian Institute of Science, Bangalore, on behalf of the National Coordinating Board - GATE, Department of Education, Ministry of Human Resources Development (MHRD), Government of India,February 2002.
4. National Eligibility Test for Lectureship(NET), Jointly Conducted by Council of Scientific & Industrial Research and University Grant Commission, India, 2002.
5. University Medal for the best performance in the faculty of sciences and life sciences, Master of Science, Aligarh Muslim University, Aligarh, India, 2001.
6. Sir Ziauddin Medal for the best performance in Mathematics, Master of Science, Aligarh Muslim University, Aligarh, India, 2001.

7. M.Sc. Scholarship from National Board of Higher Mathematics(NBHM)[Govt.of India], 1999-2001.

8. Stood first in G.F College which is affilated to M.J.P. Rohilkhand University, Bareilly, Bachelor of Science, 1999.

WORKSHOPS/ CONFERENCES PARTICIPATION:

1. Winter School on Coding Theory, **Indian Statistical Institute, Kolkata , India**, December 29, 2003-January 02, 2004.

2. Special Session on Commutative Algebra and Algebraic Geometry, **Joint INDIA-AMS Meeting, Bangalore,India**, December 17-20, 2003.

3. International Workshop on Computational Algebraic Geometry, **Harish-Chandra Research Institute, Allahabad, India**, December 8-13, 2003.

4. Mini Workshop on Curves Over Finite Fields, **University of Bombay, Mum bai, India**, July 21-25, 2003.

5. Workshop in Commutative Algebra and Combinatorics, **University of Pune , Pune, India**, July 7-12, 2003.

6. Workshop on LaTeX and Free Mathematical Software, **Bhashkaracharya Pratishthana, Pune, India**, July 9-14, 2003.

EXTRA CURRICULAR ACTIVITIES:

- I was an **"ELECTION OFFICER"** for the annual elections for **"HOSTEL-1 STUDENT'S COUNCIL"**, IIT Bombay, 2005-2006.

- I have written dialogs for the play **"PARIVARTAN"**, which was performed by two of my hostel-mates on the occasion of **"Hostel One Valedictory Function-2005"**, IIT Bombay.

- I was an **"ELECTION OFFICER"** for the annual elections for all the Institute Student Representatives [**Student Gymkhana Election, 2005-06**], IIT Bombay, 2005-2006.

- I was **"DEPARMENT REPRESENTATIVE (DR)"** of the Department of Mathematics, through the platform of **Research Scholar's Forum (RSF)**, IIT Bombay, 2004.

- I received consolation prize for my poems (Shayari/Ghazals etc.) in **"HINDI KAVI SAMMELAN"**, held at IIT Bombay on the occasion of **"HINDI DIVAS"**, 14 September 2004.

- I was an active member of **Institute's (IIT Bombay) Hindi Magazine "AAWAAZ"** from the year 2002 to 2004.

- I was the **"CULTURAL COUNCILOR"** of Hostel-1 (generally known as Queen of the Campus), IIT Bombay, 2003-2004.
- I received the award of **"BEST CULTURAL PERSON"** in recognition of my outstanding performance in the hostel as well as Institute (IIT Bombay) level Cultural activities in the year 2003-2004.
- I have been actively involved in **"PERFORMANCE ART FESTIVAL (PAF)"**, which is one of the biggest cultural event at IIT Bombay, in the year 2004 and my Hostel along with Hostel-4 & Hostel-13 won the first prize.
- I received the **"FIRST PRIZE"** for my poems (Shayari/Ghazals etc.) in the annual programme **"SAHITYA SANDHYA"**, IIT Bombay, 2003.

PROFESSIONAL OBJECTIVES:

To work sincerely, building a symbolic relationship with your organization where my effort will be complemented by career growth, higher degree of reponsibilty and to prove myself as a valuable asset.

FAVORABLE PERSONALITY TRAITS:

- Commitment to work
- Adaptability
- Problem Solving Abilities
- Comfortable with Team-Work
- Good Coordination and Persuasion Skills
- Good Administrative Power.

PERSONAL DETAILS:

Name	Sartaj Ul Hasan
Date of Birth	10/07/1981
Age	24 Years
Gender	Male
Marital Status	Single
Nationality	Indian
Current Status	Research Scholar, Department of Mathematics, Indian Institue of Technology Bombay, Powai, Mumbai-400 076,

	India.
Contact Details	$+91 - 227564455$ (RS Lab.), +919820570581 (Mobile)
Present Address	# 135, Hostel-1,
	Indian Institue of Technology Bombay,
	Powai, Mumbai-400 076,
	India.
Permanent Address	Baruzai Ist, Behind the mosque of Deputy Rafi Ullah Khan,
	Shahjahanpur-242001 (U.P), India.
Hobbies	Writing Ghazals, Sher etc., Music, Watching Cricket, Surfing Internet
E-mail	sartaj@math.iitb.ac.in
Website	http://www.math.iitb.ac.in/ sartaj/

REFERENCES:

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I hereby declare that all the statements above are true and complete to the best of my knowledge.

Place:
Date: **SARTAJ UL HASAN**