

Curriculum Vitae

SATYAJIT ROY

SACT

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Personal Details:

Date of Birth: 05/06/1993

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Academic Qualification:

- Bachelor of Science (2010-2013) in Physics from Calcutta University, Kolkata.
- Master of Science (2013-2015) in Physics from Calcutta University, Kolkata.
- Bachelor of Education (2016-2018) from Burdwan University, Purba Bardhaman.
- Ph.D. Research Fellow (2021 to present) at University of Calcutta, Kolkata.
- Qualified IIT JAM (2013) and IIT GATE (2020)

Awards and Fellowships:

- SVMCM Scholarship, Department of Higher Education, Government of West Bengal Awarded from 2008 to 2015.

Present Position:

State Aided College Teacher at the Department of Physics, Bangabasi College, Kolkata.

Teaching Experience in years: 08

Date of Joining Service: 21 July 2016

Research Interest:

- Theoretical high energy and nuclear physics
- Deep learning and its applications in theoretical physics

Technical Skill:

- Statistical analysis in **Mathematica**.
- Numerical techniques in **Python**.

Publications :

Probing intractable beyond-standard-model parameter spaces armed with Machine Learning

Satyajit Roy, Rajneil Baruah, Sunando kumar Patra, Subhadeep Mandal

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Participations in Conferences and Workshops:

- C.K. MAJUMDAR MEMORIAL SUMMER WORKSHOP IN PHYSICS 2013 (July 01 to July 12), S. N. BOSE National Centre for Basic Sciences, Kolkata.
- National Seminar on "Advancement in Modern physics" (August 23 to August 24 , 2013),RKMRC,Kolkata.

- Physics and Applied Mathematics Researchers' Meet- 2015 (18-20 March), Indian Statistical Institute, Kolkata, India.
- A Pre-Masters Workshop in Theoretical Physics (May 15 to May 19, 2017), Bangabasi College, Kolkata.
- VIRTUAL SCHOOL ON FLAVOR STRUCTURE OF THE STANDARD MODEL, (30th August to 12th September, 2021),
- Machine Learning for Particle and Astroparticle Physics (ML4HEP@IOP2024), IOP, Bhubaneswar, India.