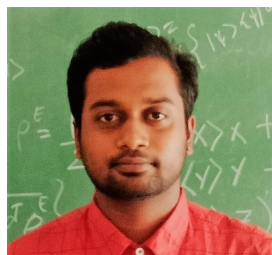


PERSONAL INFORMATION



Suriyaprasanth S

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Tamil Nadu, India.

📞 +91 9842021050

✉ s.suripy@gmail.com

Nationality Indian

EDUCATION

- | | | |
|-------------|--|----------|
| 2019 – 2021 | Master of Science in Physics (M.Sc., Physics)
School of Physics, Madurai Kamaraj University, Madurai - 625021, Tamil Nadu, India. | 7.0/10 |
| 2016 – 2019 | Bachelors of Science in Physics (B.Sc., Physics)
Maharaja Arts and Science College, Bharathiar University, Coimbatore - 641407, Tamil Nadu, India. | 7.2/10 |
| 2015 – 2016 | Higher Secondary Certificate (HSC)
State Board of School Examinations, Tamil Nadu, India | 746/1200 |
| 2013 – 2014 | Secondary School Leaving Certificate (SSLC)
State Board of School Examinations, Tamil Nadu, India. | 440/500 |

TRAINING

- | | |
|---------------------|---|
| Jan 2022 – Jan 2022 | ACM Winter School on Quantum Computing
IIT-Madras |
| Aug 2021 – Sep 2021 | NOC21CS103 - Introduction to Quantum Computing: Quantum Algorithms and Qiskit
NPTEL: NOC Course coordinated by IIT Madras, India. |
| Sep 2020 – Oct 2020 | NOC20CS80 - Python for Data Science
NPTEL: NOC Course coordinated by IIT Madras, India. |

RESEARCH EXPERIENCE

- | | |
|-------------------|---|
| 2020 – 2021 | M.Sc., - Thesis Title: “Bell’s violation on Photon Added Two Mode Coherent States”
8.1/10 |
| Abstract | We study the nonclassical features of the chosen coherent state by adding some number of photons to each mode and converting it into a quantum state. This quantum state is called as superposition of photon added two-mode coherent states (PATMCS). The analysis is based on how the state behaves when the photons are added locally and nonlocally. The nonclassical, nonlocal and other entanglement properties were also witnessed for the both ways of photon addition and how the photon addition influences the quantum properties of the state. The conclusion is that the state well behaves after photon addition, shown that is a nonclassical, nonlocal, and entangled state which also violates the Bell-CHSH inequality. |
| Supervisor | Dr. A Basherrudin Mahmud Ahmed , Assistant Professor, Department of Theoretical Physics, School of Physics, Madurai Kamaraj University, Madurai - 625021, Tamil Nadu, India. |

RESEARCH INTERESTS

Quantum Computing, Machine Learning, Quantum Information Theory and Processing, Cryptography.

WORK EXPERIENCE

April 2021 – March 2022

Subject Matter Expert in Advanced Physics

Freelancer - Chegg-India Pvt. Ltd

To support students in solving physics problems and enhance their learning experience.

16 September 2019 – 22 September 2019

Volunteer - India Based Neutrino Observatory

To communicate about the India Based Neutrino (INO) Experiment to the visitors of the Vigyan Samagam - a Mega Science Exhibition. This was held at Visvesvaraya Industrial and Technological Museum, Bengaluru, India.

PERSONAL SKILLS

Behavioral skills Quick Learner, Team Player, Patient listener, Open minded.

Computer skills Python, MATLAB, \LaTeX (LATEX), Linux, Mathematica (Beginner), MS office and Windows.

Subject Skills Linear Algebra, Probability Theory, Quantum Mechanics, Quantum computing.

Mother tongue Tamil (Asian Language)

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	A2	A2	A1	A1	A2

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
[Common European Framework of Reference for Languages](#)

Organisational / managerial skills

- During my M.Sc., Physics program I was part of organizing a National Level Physics problem solving event named 'Phyintellekt'.
- I have organized few stargazing sessions during my M.Sc.

Achievements

- Secured First Place in the Paper Presentation Competition organized by Department of Physics, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore – 641020, Tamil Nadu in association with Indian Association of Physics Teachers for the National Level Virtual Physics Meet (PHYSICS HUNT), during the period 25/04/2021 to 30/04/2021. Refer page 31 in <https://www.indapt.org/docs/publications/bulletin/2021/06-07-2021.pdf?id=1394767644>.

Other Interests

Riding bicycle, Hiking, Listening Music, Reading Books, Playing with code, Love to travel and experience different cultures.

REFeree INFORMATION

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 School of Physics, Madurai Kamaraj University, Madurai - 625021, India.

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Dr. Sujin P Jose

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 School of Physics, Madurai Kamaraj University, Madurai - 625021, India.

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