

Shad Azmi

Department of Mathematics

Aligarh Muslim University, Aligarh, India 202002

+91-98356 33153 | shadtheazmi@gmail.com | [linkedin.com/in/shad-azmi](https://www.linkedin.com/in/shad-azmi) | [Quora: Shad Azmi](https://www.quora.com/Shad-Azmi)

EDUCATION

Aligarh Muslim University

Bachelor of Science Honours in Mathematics with minors in Statistics and Physics

Aligarh, India

Aug. 2019 – July 2022

EXPERIENCE

Chegg Inc.

Subject Matter Expert

Jan 2022 – Present

Remote

- Solves problems related to Advanced Mathematics.

PUBLICATIONS

- A Pushp, **S Azmi**. Proposal For Solving The Quantum Measurement Problem. PSTJ Vol 11 Issue 7 (2020)
- **Azmi, S.**; Pushp, A. Aether Integration. Preprints 2021, 2021050491 (doi: 10.20944/preprints202105.0491.v1).

RESEARCH INTERESTS AND GOALS

Research Interests

- Quantum Physics and Quantum Foundations.
- Cosmology
- Unified Theory of Everything

Goals

- The field of theoretical/mathematical physics is my intended area of study for my further academic endeavors.

PROFESSIONAL DEVELOPMENT

Additional Courses:

- 18.01 : Single variable Calculus by Prof. David Jerison, (MIT*)
- 18.02 : Multivariable Calculus by Prof. Prof. Denis Auroux, (MIT*)
- 18.03 : Ordinary Differential Calculus by Prof. Arthur Mattuck, (MIT*) // first half (yet)
- 18.06 : Linear Algebra by Prof. Gilbert Strang, (MIT*) //first half (yet)
- 18.062J : Introduction to mathematics for computer science by Prof. Tom Leighton and Dr. Marten van Dijk, (MIT*)
- M3 : Introductory Calculus by Prof. Dan Ciubotaru, Michaelmas Term, (Oxford*)
- M4 : Geometry by Dr Richard Earl, Michaelmas Term, (Oxford*) Introduction to Mathematical thinking by Dr. Keith Devlin, (Stanford*)
- 8.01 : Classical Mechanics by Prof. Walter Lewin (MIT*)
- 8.02 : Electricity and Magnetism by Prof. Walter Lewin (MIT*)
- Fundamental of Physics with Ramamurti Shankar - 1, (Yale*)
- Fundamental of Physics with Ramamurti Shankar - 2, (Yale*)
- 8.01SC(2016) - Classical Mechanics, (MIT*)
- 8.01 - Classical Mechanics(2003), by Prof. Stanley Kowalski (MIT*)
- Mechanics, Heat, Oscillations and Waves - by Prof. V. Balakrishnan, Department of Physics,IIT Madras.(NPTEL)
- Dynamics and Relativity by David Tong, (Cambridge*)
- Lectures on Electromagnetism by David Tong, (Cambridge*)
- 8.07 : Electromagnetism 2 by Prof. Alan Guth, (MIT*)//still enrolled
- 8.022 : Electricity and Magnetism by Michael Shaw, (MIT*)//still enrolled
- Theoretical Minimum : Classical Mechanics by Leonard Susskind, (Stanford*)
- 5.111 : Principles of Chemical Science by Prof. Catherine Drennan, (MIT*)
- The character of the physical Law by Richard Feynman, (Cornell*)

- Personality and It's Transformation(2017) by Prof. Jordan Peterson, (University of Toronto*)
- Maps of Meaning by Prof. Jordan Peterson, (University of Toronto*)
- The psychological Significance of the Biblical Series by Prof. Jordan Peterson*

Goals

- To understand the fundamental principles governing the micro macro universe and integrate them into a coherent framework

EXTRACURRICULAR / VOLUNTEER EXPERIENCE

Co-organized an online scientific Talk by Thomas J. Buckholtz in Olympia Academia, AMU [Oct. 2021]

Co-organized a scientific talk by Thomas J. Buckholtz (Research Associate, Ronin Institute) on "The Tiny and the Vast: Predictions about Elementary Particles, Dark Matter, and the Cosmos."

Founder - Olympia Academia [Sep. 2019 – Present]

Founded Olympia Academia, AMU's first mathematical sciences society.

Member - AMU-OSS [Sep. 2019 – July 2022]

A group of open source enthusiasts at Aligarh Muslim University.

Physics and Mathematics Tutor [Jan. 2016 – Present]

Mentoring and teaching underprivileged students for free. I have assisted ICSE +2 state rank second holders, Pre-Regional Mathematical Olympiad qualifiers, and school toppers among others as a coach.

TECHNICAL SKILLS

Softwares: LaTeX, Office Suite

Languages: Java, Python, C/C++, SQL (Postgres), R, Matlab