

Sohaima Jabeen

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Research Interests

Quantum topology, tensor categories, topological quantum field theory, and related algebraic and categorical structures.

Education

Indiana University Bloomington — PhD Student in Mathematics (2025–present)

University of Dhaka — M.S. in Mathematics, Graduated January 2023, CGPA: 3.81

University of Dhaka — B.S. (Honours) in Mathematics, Graduated June 2021, CGPA: 3.57

Workshops and Programs

LSU FRC Workshop in Representation Theory, Louisiana State University (May 2026)

AIM Workshop: New Structures in Low-Dimensional Topology, American Institute of Mathematics (June 2026)

Teaching Experience

Indiana University Bloomington — Associate Instructor / Graduate Teaching Assistant (2025–present)

BRAC University — Lecturer (Part-time), Department of Mathematics & Natural Sciences (June 2021 – May 2022)

Industry Experience

Samsung R&D Institute Bangladesh — Software Engineering Intern (March 2018 – August 2018)

Awards and Honors

Winner (three times), National Undergraduate Mathematics Olympiad (NUMO), 2015, 2017, 2019

Silver Medalist, 7th International Earth Science Olympiad, Mysore, India (2013)

11th Position, National Physics Olympiad (2013)

Technical Skills

LaTeX, Python, Java, Kotlin

Languages

Bangla (native), English, Hindi (speaking proficiency), French (basic), Japanese (basic)