ARIFA ALAM

Dhaka, Bangladesh

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Education

Brac University	**Math, CS; Double Major**
College	*Dhaka, Bangladesh*
Saint Francis Xavier's Girls' School & College	
High School	*Dhaka, Bangladesh*
Tikatuli Kamrunnesa Govt. Girls' High School	
High School	*Dhaka, Bangladesh*

Achievements

European Girls' Mathematical Olympiad (EGMO): Bronze Medal in 2023, Honorable Mention in 2022, Contestant in 2021

Bangladesh Mathematical Olympiad (BdMO): IMO Camp Participant 2023 (Top 10 Nationwide); Team Selection Test Participant 2022–2023 (Top 20 Nationwide); National Camp Participant 2021–2023(Top 30 Nationwide)

Iranian Geometry Olympiad(IGO), Iranian Combinatorics Olympiad(ICO): Top 4 in IGO 2022, 2nd in ICO 2022 from Bangladesh.

Bangladesh Olympiad in Informatics (BdOI): Qualified for the national round in 2023

Sophie Fellowship: Fellow since 2021

Technical Skills

Languages: LaTeX, Python, C++, CSS, HTML, TypeScript
Technologies: Github, Bash, Linux, NeoVim, Touchtyping (70 wpm)
Standardized Test: SAT: Math 790, Evidence Based Reading and Writing 680, Duolingo English Test: 140

Voluntary Works

Bangladesh Mathematical Olympiad (BdMO), BD Girls' Math Foundation(BGMF)	**December 2023 – Current**
Academic Team Member	*Bangladesh*

- Mentoring top students to prepare them for IMO(International Mathematical Olympiad), EGMO(European Girls Mathematical Olympiad) and more

Gonit School	**April 2023 – Current**
Writer	*Remote*

- Writing Math Blogs so that they reach Broader audience in our country

US Ersatz Math Olympiad	**October 2021– Current**
Grader, Part-time	*Remote, United States of America*

- Graded 50+ answer papers of the USEMO math contest

Experience

Gonitzoggo	**September 2023 – Current**
Instructor, Academic Team Member, Coordinator	*Remote, Part-time*

- Mentoring 500+ students throughout the course
- Writing notes and problem sets using LaTeX
- Hosting calibration contests since 2024

TEMS (Truthful Enlightened Mathematical Soul)	**December 2023 – January 2025**
Instructor, Part-time	*Dhaka, Bangladesh*

- Mentored 100+ students, provided practice materials and problem sets, and graded answer papers

BRAC University — CSE422	**May 2024 – August 2024**
Lecture Support Aid	*Dhaka, Part-Time*

- Edited weekly teaching materials using LaTeXfor the Artificial Intelligence course