# ARIFA ALAM

Dhaka, Bangladesh

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## Education

**Tikatuli Kamrunnesa Govt. Girls' High School**
*High School*                                                                                   *Dhaka, Bangladesh*

**Saint Francis Xavier's Girls' School & College**
*High School*                                                                                   *Dhaka, Bangladesh*

## Achievements

- **European Girls' Mathematical Olympiad (EGMO):** Bronze Medal in the in 2023 and honorable mention in 2022 and contestant at 2021
- **Bangladesh Mathematical Olympiad(BdMO):** IMO Camp Participant 2023; Team Selection Test Participant 2022-2023; National Camp Participant 2021-2023
- **Bangladesh Olympiad in Informatics (BdOI):** Qualified for the national round in 2023
- **Bigganchinta:** Best volunteer award in 2019

## Technical Skills

**Languages**: C++, CSS, HTML, TypeScript, Python, LaTeX
**Technologies**: Bashscript, Linux(EndeavorOS), NeoVim, GitHub, Touchtyping(70wpm)
**Mathematical Interests**: Geometry, Combinatorics, Number Theory

## Experience

**re:tune**                                                                        **October 2024 – Current**
*Intern*                                                                                                    *Remote*
- Created Framework called Re:Frame using NextJS Framework, TypeScript

**Gonitzoggo**                                                                  **September 2023 – Current**
*Academic Team Member, Coordinator*                                                       *Remote, Part-time*
- Mentored 200+ students throughout the course
- Written notes and problemsets with LaTeX
- Hosted calibration contests.

**TEMS (Truthful Enlightened Mathematical Soul)**          **December 2023 – January 2025**
*Instructor, Part-time*                                                                          *Dhaka, Bangladesh*
- Mentored 100+ students
- Provided practice materials, problems sets; graded their answer papers

**BRAC University — CSE422**                                          **May 2024 – August 2024**
*Lecture Support Aid*                                                                              *Dhaka, Part-Time*
- Edited teaching materials with LaTeXfor the CSE422 (Artificial Intelligence) course, weekly

## Voluntary Works

**Bangladesh Mathematical Olympiad (BDMO)**              **December 2023 – Current**
*Academic Team Member*                                                                                *Bangladesh*
**Bangladesh Girls' Math Foundation (BGMF)**               **August 2023 – Current**
*Academic Team Member*                                                                                *Bangladesh*
**Gonit School**                                                                   **April 2023 – Current**
*Writer*                                                                                                     *Remote*
**Bigganchinta**                                                                 **March 2019 – March 2020**
*Volunteer*                                                                                        *Dhaka, Bangladesh*
**Kishor Alo**                                                                   **March 2018 – March 2020**
*Volunteer*                                                                                        *Dhaka, Bangladesh*