Sameer Alam

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New Delhi, India

Education

B.E. Computer Engineering (2019-2023)

Thapar University

09-2019-Present   CGPA- 9.28=/10

Courses:

Data Structures and Algorithms

Discrete Mathematical Structures

Operating Systems

Practical Computing
Database management system
Computer Networks
Artificial Intelligence

High School

The Air Force School - New Delhi

2012 - 2019

Courses :

CBSE XI and XII   Percentage- 92.8%

Experience

Tutor - Studypool (05-2020 - Present)

Mentor - Association for Computing Machinery (ACM), Thapar University (09-2020 - Present)

Tasks :

Organizing regular contests

Preparing competitive programming problems.

Taking contest discussions

Holding teaching sessions (C++, Maths and Competitive Programming)

Skills

C++, C, Python, Kotlin, PL/SQL, HTML, CSS, Javascript (Basic), Node.js, Pug, MongoDB, Prolog

Projects

* Template Finder Website
A website where one can find all the commonly used templates in competitive programming and also contribute.

I completed this using HTML, CSS, JS, Node.js, Pug, Express, Mongoose, MongoDB

* AppWhats : *A multi-user chat application built with Node.js and Socket.IO.*

* Complex Arithmetic:
I created an extensive class that encompasses the majority of the functions we perform on complex numbers, from basic arithmetic to identifying the argument and evaluating any valid complex expressions.

I used the concepts of operator overloading of binary and unary primitive operators in C++ in order to make the class more user-friendly.

Website References:

- **Codeforces :** https://codeforces.com/profile/sameeralamynwa
- **GeeksforGeeks :** **https://auth.geeksforgeeks.org/user/sameeralamynwa/profile**
  Article : Minimum cost using Dijkstra by modifying the cost of an edge
  https://www.geeksforgeeks.org/minimum-cost-using-dijkstra-by-reducing-cost-of-an-edge
- **Github :** **https://github.com/sameeralamynwa**

Objective

To become a better problem solver everyday and improve my approach of approaching different problems and solve them with the most efficient of algorithms using the most suitable of data structures. I also want to learn and explore many software development technologies.

Interests

- Competitive Programming
- Problem Solving (Math and Puzzles)
- Web Development / Data Science
- Technical Content Writing (Few articles written on GeeksforGeeks)