Samiul Azam Shuvo

Competitive Programmer | Full-Stack Developer

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Education

International Islamic University Chittagong
Bachelor of Science in Computer Science and Engineering- 3.68 out of 4

Cantonment English School and College
HSC- 4.58 out of 5
Courses: CP, Software Development, Object-Oriented Programming, Database Management, Data Structures & Algorithms, Discrete Math, Machine Learning, Artificial Intelligence, Statistics, Calculus, Image Processing

Achievements

CSE FEST Inter Dept. Debate Tournament-2022 (IIUC-Group Round)
CSE FEST Idea Generation-2022 (IIUC-Group Round)
BDApps National Hackatho-2022(Robi-Divisional Stage)
NASA Space Apps Challenge-2024(Divisional Stage)
Ride for -CO2 Cycle Rally(VBD, US Embassy Dhaka)
Calligraphy Competition of Ramadan Fest 2023(IIUC Computer Club-3rd Place)

Technical Skills

Software

- Programming Languages: C/C++, Project experience on Python & JavaScript,HTML5/CSS4
- Web development: HTML, CSS (MERN stack)
- Tools: Git/GitHub, VS Code, Google Colab, Jupyter, Figma, Canva
- Database: SQL, Mongo DB
- Data Structures and Algorithms: Solved 250 problems and completed various Study Plans
- Concepts: Computer Security and Network, SDLC(Agile)
- Problem-Solving: Solved 1200+ problems on Codeforces and other online judges.
- Mobile App Development(java)- EDGE

Programming Contest :

IIUC Intra Dept. Junior Programming Contest
IIUC Intra Dept Programming Contest (Team)
The 2021 ICPC Asia Dhaka Regional Site Online Preliminary Contest (Team)
East Delta University Inter-University Engineering Day 2022 (Team, 5th in IIUC)
Participated in more than 90 online contests on various online judges (Codeforces, Codechef, Atcoder etc.)

Hardware

- Arduino Project: Line Following Robot
- Workshop on Crafting Drone-2023 (IEEE RAS IIUC SBC, Bangladesh Flying Labs)

Extracurricular Activities:

Teaching Assistant at International Islamic University Chittagong
Ast. Social Welfare Secretary at IIUC Computer Club
Institute Representative at Volunteer For Bangladesh Campus Hero 2024 - Programming Hero
Executive at IIUC Data Science and Research Group
University Ambassador at ICT Olympiad Bangladesh
District Volunteer at National STEAM Olympiad
Career seminar of BRAC IT-2022(Participation)
Covid-19 Awareness and Prevention(BRAC & MuktoPath)
CPR, AED, and First Aid Certification by NHCPS
Associate of HULT Prize at IIUC 2024
Ambassador of International Congress on Recent Trends in Computer Science – 2024

Online Judges :

CodeForces: codeforces.com/profile/Samiul_Shuvo ☒
CodeChef: codechef.com/users/samiulshuvo ☒
AtCoder: atcoder.jp/users/SamiulShuvo ☒
LeetCode: leetcode.com/user4937td/ ☒

Projects

Jadur-Box(Next.js): https://github.com/Samiul-Shuvo/jadur-box
Sales Management System: https://github.com/Samiul-Shuvo/Sales-Management-System-Using-Python
Book Vive: https://book-vibe-by-samiul.netlify.app/
Retro Forum : https://retro-forum-by-samiul.netlify.app/
Juice Bar Management System - Java(team),MySQL,Netbeans
Ongoing : Cloud Kitchen Project using JAVA (MVVM, RoomDatabase, LiveData, ViewBinding)

Research work

Thesis :

Integrating Stack Ensemble model with Explainable AI for early diagnosis of Chronic Kidney Disease
Co-author: Mohammad Taosif Mubtasim (C211041),
Supervisor : Dr. Mohammad Aman Ullah ,Chairman & Associate Professor,
Department of Computer Science and Engineering,IIUC

Publications :

1. Neuroadaptive Intelligence: A Biologically-Inspired, Self-Repairing Neural Layer with Adaptive
   Learning for Molecular Graph Classification
   (On Review)Conference Paper id 67, submitted to the QPAIN 2025.

2. A Novel Neuroplasticity-Based Approach for Enhanced Generalization in Computer Vision
   (On Review) Paper id 109, submitted to the QPAIN 2025.