



SAMARA ZAMAN

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Detail-oriented and motivated professional with a solid academic foundation in computer science and programming languages, including C++ and Python. Proficient in version control systems such as Git and GitHub, demonstrating a commitment to collaborative development practices. Currently honing problem-solving skills through practical applications and projects, with a keen interest in research and development to drive innovation. Eager to leverage technical expertise, a passion for continuous learning, and a strong desire to contribute to cutting-edge projects in a dynamic work environment.

Skills

- Responsible
- Flexible and adaptable
- Time management

Education

**Bachelor of Science in
Computer Science and
Engineering**

American International University-Bangladesh, Dhaka | Expected in November 2027

Experience

Tutor

Dhaka, Bangladesh

- Developed personalized lesson plans to enhance student understanding of core subjects.
- Facilitated engaging learning sessions, fostering critical thinking and problem-solving skills.
- Utilized educational software to track student progress and adapt teaching strategies.
- Conducted assessments to identify learning gaps and tailor instruction accordingly.

Interests

Interested in Research and Development

Research Paper:

Comparative computer-based docking analysis of quercetin targeting protein tyrosine phosphatase 1B as a potential anti-diabetic agent:

https://www.researchgate.net/publication/403299636_Comparative_computer-based_docking_analysis_of_quercetin_targeting_protein_tyrosine_phosphatase_1B_as_a_potential_antidiabetic_agent

Github:

<https://github.com/Samara-Zaman>

ResearchGate:

https://www.researchgate.net/profile/Samara-Zaman?ev=hdr_xprf

LinkedIn:

<https://www.linkedin.com/in/samara-zaman-313582340/>

Certifications

- Cisco
- Certification for achievement in local art competition
- Certification of Completion Python basics

Languages

Bangla: Native language

English C1 Advanced

Seminars & Workshops

- **Symposium on "Computing at the Molecular Scale: Integrating AI, Engineering and Chemistry at CURE"** — Artificial Intelligence and Molecular Design (AIMD) Research Group, AIUB, Dhaka | July 30, 2026. Sessions on molecular docking, computational chemistry, and computation and engineering in healthcare. Certificate of participation.
- **1st International Conference on Life and Earth Sciences for Sustainable Development (ICLESSD-2025)** — Theme: Shifting towards a Sustainable World: Role of Life and Earth Sciences | December 18-19, 2025.
- **Seminar on "A Novel Approach for Detecting Damage in Canola Seeds Using Ultra-Short Pulse Laser and Machine Learning Techniques"** — IEEE AIUB Student Branch with IEEE Computer Society AIUB SB Chapter | March 12, 2025. Presented by Shabab Iqbal, Graduate Research Assistant, University of Manitoba, on AI-driven methods for seed quality assessment.
- **Day-long Seminar and Workshop on "The Advancement of Physics Research for Engineering Students"** — American International University-Bangladesh (AIUB), Dhaka.
- **Career Talk by Rajib Kundu, CPA (AIUB Alumnus)** — American International University-Bangladesh (AIUB), Dhaka | Fall Semester 2024. Talk on financial and management reporting, ESG reporting, and IFRS/ISSB sustainability standards.