

✉ [sadiasharmin460280@gmail.com](mailto:sadiasharmin460280@gmail.com)

🆔 NID No: 5554058932

📞 01537312230

📍 Fatehabad, Hathazari, Chittagong, Bangladesh

in <https://www.linkedin.com/in/sadia-sharmin-44b273168>

🔄 <https://github.com/Sadia88>

---

## Objective

I want to secure a challenging position as a teacher to expand my learning's, knowledge, and skills. I am also looking for an opportunity in an institution which provides new ideas, interesting experiences and personal growth.

## Education

### **M.S. in Computer Science and Engineering (Ongoing)**

University of Chittagong, Session: 2020-21

### **BSc. Engineering in Department of Computer Science & Engineering (appeared)**

University of Chittagong, Session: 2016-17

CGPA – 3.31/4.00 (until 7<sup>th</sup> Semester)

### **Higher Secondary Certificate (Science)**

Kulgaon city coporation school & college, 2015

GPA – 4.50/5.00

### **Secondary School Certificate (Science)**

Fatehabad city coporation Girls' High School, 2013

GPA – 5.00/5.00

## Technical Proficiency

- **Programming Languages:** C,C++, python, Java.
- **IDEs:** Codeblocks, Netbeans, Android Studio, Anaconda Navigator, Sublime Text 3, Google Colab.
- **Web Technologies:** HTML5, CSS3, JavaScript, React JS.
- **Tools:** LaTeX
- **Operating systems:** Windows10
- **Database:** MYSQL

## Language

My mother tongue is Bengali. Moreover, I have a good proficiency in English language. English is the medium of instruction in my undergraduate university

## Thesis and Publications

### **Undergraduate Thesis**

The thesis is entitled “An Investigation Into Crime Data: Trend Analysis And Hotspot Detection” which has been done under the supervision of Associate Professor Dr. Fahim Irfan Alam. We used machine learning and deep learning approaches to forecast crime trend, specifically during the Covid-19 pandemic lockdown, and detect crime hotspot (highly crime risk areas) .We have used Python programming language with the help of some Machine Learning to build and run our models

## Publications

- **Sadia Sharmin**, Fahim Irfan Alam, Avisheak Das, Rokan Uddin, "An Investigation into Crime Forecast Using Auto ARIMA and Stacked LSTM"  
**DOI:** <https://doi.org/10.1109/ICISSET54810.2022.9775862>
- Avisheak Das, Fahim Irfan Alam, **Sadia Sharmin**, Rokan Uddin, "Boosting Guided Probabilistic Ensemble-based Approach For Phishing Website Detection"  
**DOI:** <https://doi.org/10.1109/ICISSET54810.2022.9775819>
- Rokan Uddin, Fahim Irfan Alam, Avisheak Das, **Sadia Sharmin**, " Multi-Variate Regression Analysis for Stock Market price prediction using Stacked LSTM"  
**DOI:** <https://doi.org/10.1109/ICISSET54810.2022.9775911>

## Academic Project Work

- **Title:** Admission Shelter provider  
**Description:** A website to enable admission student to give shelter in hall to stay during their admission exam as well as to find different hall location and rickshaw rent.  
**Tools:** HTML, CSS, JavaScript, Python, MySQL
- **Title:** Humble Abode  
**Description:** An android application for rent/buy a home and home appliances  
**Tools:** Android studio, Java, Firebase.
- **Title:** Medicine Time  
**Description:** An android application for reminding the patient about their medicine time. Also it provides a one-month of medicine intake  
**Tools:** Android studio, Java.
- **Title:** Smart\_IT\_Cafeteria  
**Description:** This a java project a digitalized restaurant management system for IT Cafeteria of University of Chittagong to make ordering food easier, faster and smarter.  
**Tools:** Netbeans8.2 IDE, JDK 1.8.0, XAMPP for database's server
- **Title:** RSA Calculator  
**Description:** It is a web-based application to encrypt and decrypt English text.  
**Tools:** python
- **Title:** Human Action Recognition  
**Description:** It is a machine learning-based application that recognizes human activity in real-time.  
**Tools:** python

## Areas of interest

- Machine Learning
- Deep Learning
- Artificial Intelligence
- Computer Vision
- Data Science

## Achievements

- Obtained 53th position in National Girls' Programming Contest, 2017.(team-CU\_DHUMKETU)

## Co-curricular Activities

- Participated in “Grace Hopper Girls’ Programming Training Camp” (February 23<sup>rd</sup> -25<sup>th</sup>, 2017)
- Attended in “Get Smart with IOT” camp organized by Planeter (September 15-16, 2017)
- Volunteer at “EK TAKAY SHIKKHA” foundation (July, 2017 – Present)
- Bishwo Shahitto Kendro (Member, 2008 – 2012)

## Professional strengths

- Quick learner and ability to work under pressure
- Possess good management and organizational skills
- Ability to work in a team and under pressure
- Good motivator, enthusiastic and open to learn new ideas

## Interest and Hobbies

- Reading books
- Traveling
- Meeting people and shopping
- Making new friends
- Watching movies/series

## Personal Information

- **Date of Birth:** 10/01/1998
- **Gender:** Female
- **Marital Status:** Single
- **Nationality:** Bangladeshi

## References

### **Muhammad Anwarul Azim**

Chairman & Professor  
Department of Computer Science and Engineering, University of Chittagong,  
Chittagong 4331, Bangladesh  
E-mail: [azim@cu.ac.bd](mailto:azim@cu.ac.bd)  
Cell: 01799634272

### **Dr. Rashed Mustafa**

Dean, Faculty of Engineering, University of Chittagong  
Professor, Department of Computer Science and Engineering, University of Chittagong  
E-mail: [rashed.m@cu.ac.bd](mailto:rashed.m@cu.ac.bd)  
Cell: 01799634272

### **Dr. Fahim Irfan Alam**

Associate Professor  
Department of Computer Science and Engineering, University of Chittagong  
E-mail: [fahim@cu.ac.bd](mailto:fahim@cu.ac.bd)