



# SAIMA SHARLEEN ISLAM

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## Objectives

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A diligent, amiable, and articulate individual who is passionate about building up a flourishing research career across AI, Machine Learning and its applications, Data Science, Computer Vision. I have mainly worked with machine learning algorithms and its applications in the field of data science. I bring with me, my strong passion for technology and quick learning capability.

## Education

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### American International University-Bangladesh

May 2016 – Feb 2020

*Bachelor of Science in Computer Science & Software Engineering (CGPA: 3.42 /4.00)*

*Dhaka, Bangladesh*

## Work Experience

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### Cystem Arts

Apr 2020 — Sep 2021

*Software Engineer*

*Dhaka, Bangladesh*

- Assisted in development of the front end of a client's website.
- Collaborated with team members using version control systems such as Git to do the modifications.

### American International University-Bangladesh

Sep 2019 — Dec 2019

*Teaching Assistant*

*Dhaka, Bangladesh*

- Assisted the students in project for Advanced Topics In Programming III course
- Performed regular data entry tasks on students' evaluation grades

### Battery Low Interactive Ltd.

Aug 2019 — Nov 2019

*Intern, Web Development and Content Writing*

*Dhaka, Bangladesh*

- Collaborated with team members using version control systems such as Git to complete the assign tasks.
- Created different contents for the company.

## Research Interests

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Machine Learning, Deep Learning & its applications, Computer Vision, Medical Informatics

## Research Experience

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### Application of Machine Learning Algorithms to Predict the Thyroid Risk: An Experimental Comparative Study

- Compared various algorithms for increasing the accuracy of thyroid disease prediction using the UCI thyroid data collection. (Submitted to IEEE Access)

### UG Thesis: Human Detection in Crowd using Video Surveillance System

- Using YOLO detected human in crowd in AIUB premises.

## Publications

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### Conference Paper:

- Saima Sharleen Islam, Md Mahmudul Hasan Bhuiyan, Zahiduddin Ahmed, and Md Al-Amin. "An Empirical Survey on Crowdsourcing-Based Data Management Techniques." In Proceedings of the International Conference on Computing Advancements, pp. 1-7. 2020.

## Standardized Tests

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### International English Language Test (IELTS):

*Aggregate: 7, Listening: 8, Reading: 7, Speaking: 7, Writing: 6*

## Technical Skills

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**Languages:** Python, C, C++, Java, c#

**Database:** SQL (MySQL, Oracle, Postgres), MongoDB

**Tools:** Git, VS Code, Jupyter Notebook, Google Colab, Overleaf, TeXworks, PyCharm, Mendeley

**Libraries:** Scikit-Learn, Numpy, Pandas, Matplotlib, OpenCV

**Web Technologies:** Laravel, PHP, HTML5, CSS3, Bootstrap, Nodejs

## Academic Projects

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**Extra Food Distribution Management System** | *HTML, CSS, Java script, Bootstrap, PHP, My SQL*

- Overview: A platform for the Restaurant owner, Volunteer, Admin, Event Manager and General User. The owner can post for leftover foods, and a volunteer will pick up the foods and later will donate food in a specific location.
- Github Link: <https://github.com/saimasharleen/Extra-Food-Distribution-Management-System-Web-Technologies->

**Nirjhor** | *c++, opengl*

- Overview: Nirjhor is basically a scenery-based project using opengl.
- Github Link: <https://github.com/saimasharleen/Nirjhor-Graphics-Project->

**Fashion** | *bootstrap, css, javascript, html*

- Overview: Fashion is basically a web design project.
- Github Link: <https://github.com/saimasharleen/Fashion-Web-Design>

## Online Courses

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1. IBM Data Science Professional Certificate: (On Going)
2. Data Science Math Skills-Duke University: (On Going)

## Awards & Achievements

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- **Ada Lovelace Datathon 2021**  
Team Position: 8th  
Team Name: Panda-15  
Standing Link: <https://www.kaggle.com/c/alc-datathon-2021/leaderboard>
- **National Girls' Programming Contest 2018**  
Team Name: AIUB Incognito  
Standing Link: <https://algo.codemarshal.org/contests/ngpc18/standings>
- **The Duke of Edinburgh's International Award**  
The Bronze Standard
- **Hult Prize at AIUB**  
2nd Runner Up
- **World Literature Centre Book Reading Program**  
Winner

## Extracurricular Activities

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### Firefox at AIUB

June 2018 – Feb 2020

*Club Lead*

*American International University-Bangladesh*

- Managed executive board of 8 members and ran weekly meetings to oversee progress in essential parts of the chapter.
- Led chapter of 50+ members to work towards goals that improve and promote opensource and improve community service.

## References

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### Md. Saef Ullah Miah

*Assistant Professor(On-leave)*

*Department of Computer Science*

American International University-Bangladesh

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### Md. Al-Amin

*Lecturer*

*Department of Computer Science*

American International University-Bangladesh

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### Dr. Dip Nandi

*Professor and Director*

*Faculty of Science and Technology*

American International University-Bangladesh

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