Saima Sharleen Islam

📞 +880-1827537100 ✉ saimasharleen10@gmail.com in saimasharleen

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Objectives

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

Education

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

Cystem Arts   **Apr 2020 — Mar 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   **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

Machine Learning, Deep Learning & its applications, Computer Vision, Data Science

Research Experience

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)

Predictable Crime and Disease Occurrence Rate by Analyzing Different News Sources
- If any crime occurred any particular area then a lot of newspaper publishes a report about that crime or television also report about that crime as well as radio. Every one of those reports can easily be found on the web. For any kind of disease is spreading out in any particular area then the media publish a report about that disease. From those sources, we are planning to build a crime or disease database. So, our main goal is developing an accurate, better and efficient pattern so that we can easily identify the crime and disease of any area. (Currently work on progress)

UG Thesis: Human Detection in Crowd using Video Surveillance System
- Using YOLO detected human in crowd in AIUB premises.

Publications

Conference Paper:
- An Empirical Survey on Crowdsourcing-Based Data Management Techniques
  Accepted for the International Conference on Computing Advancements ICCA 2020

Standardized Tests

International English Language Test (IELTS):
Aggregate: 7, Listening: 8, Reading: 7, Speaking: 7, Writing: 6

Technical Skills

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 Techologies: Laravel,PHP, HTML5, CSS3, Bootstrap, Nodejs

Academic Projects

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

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

Awards & Achievements

- **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

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

Md. Saef Ullah Miah
Assistant Professor(On-leave)
Department of Computer Science
American International University-Bangladesh
✉ md.saefullah@gmail.com

Dr. Dip Nandi
Professor and Director
Faculty of Science and Technology
American International University-Bangladesh
✉ dip.nandi@aiub.edu

Md. Al-Amin
Lecturer
Department of Computer Science
American International University-Bangladesh
✉ alamin@aiub.edu