

ADITI GOLDER

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Highlights of Academic Skills and Research Interest

- Research Interest** : Artificial Intelligence, Computer Vision, Natural Language Processing, Security Threat and IoT.
- Research Skills** : Have hands-on experience in machine learning and deep learning algorithms, extensive data analysis, and medical image data.
- Professional Skills** : Strong analytical and problem solving skills, project management skills, ability to work independently and collaboratively, team management skills, excellent academic writing, verbal and interpersonal skills.

Academic Credentials

- **Master in Information Technology**, Institute of Information Technology, Jahangirnagar University (JU), Savar, Dhaka, Bangladesh. Duration: 2014-2018.
Dissertation Title: "Online Bookshelf"
Advisor: K M Akkas Ali, Professor (JU)
CGPA: 3.63/4.00
Rank: 3rd
- **Bachelor of Science in Software Engineering**, Department of Software Engineering, Daffodil International University (DIU), Dhaka, Bangladesh. Duration: 2018-2020.
Dissertation Title: "Factor's Influencing Female Students' Intension to Continue Career as a Programmer"
Advisor: Ms. Nusrat Jahan, Assistant Professor & Head of ITM Department DIU
CGPA: 3.18/4.00

Experiences/ Skills

- ❖ **Research Assistant** : Worked for 1 year as an Research Assistant under Ms. Nusrat Jahan, at Daffodil International University.
- ❖ **Programming Skills** : Python 3.x, Pytorch, MatLab, JS
- ❖ **Tools and Libraries** : Hands-on experience in scikit-learn, Tensor Flow 2.x, spreadsheet and statistical analysis (Excel, SPSS).
- ❖ **Soft Skills** : Word, PowerPoint, Notion, LaTeX.

Projects

- ❖ **Online Bookshelf** : Online Bookshelf is a user-friendly virtual library and marketplace for managing book collections, selling, exchanging, and tracking lent books using PHP, HTML, CSS, and MySQL.
- ❖ **Blood Bank Management System** : Online blood management system uses PHP and MySQL for efficient, organized donation tracking, enabling seamless communication with donors and timely access to life-saving blood donations during emergencies.
- ❖ **E-Learning** : The web-based system provides teacher-led tutorials, registration, qualification verification, online exams, and a teacher-student blog for interactive learning using C# and ASP.Net.

Research Publications

- Prediction of Heart Disease and Heart Failure Using Ensemble Machine Learning Models.
Conference: International Conference on Machine Learning, Big Data, and IoT, India, March, 2023. (2nd author) [**Accepted**]
- Development of Automatic Number Plate Recognition System of Bangladeshi Vehicle Using Object Detection and OCR.
Conference: International Conference on Advances in Data-Driven Computing and Intelligent Systems, Goa, India, 2023. (2nd Author) [**Accepted**]
- CervixMed: Detecting Cervical Cancer based on combinational data using Hybrid architecture.
Conference: International Conference on Digital Image Computing: Techniques and Applications, Port Macquarie, Australia, 2023. (2nd Author) [**Accepted**]
- GSM Based Home Security Alarm System Using Arduino Using Mobile Call.
Conference: IEEE 14th Annual Ubiquitous Computing, Electronics & Mobile Communication Conference (UEMCON), Columbia, USA, 2023. (1st Author) [**Accepted**]
- Security threats on Data-Driven Approaches for Luggage Screening.
IEEE Symposium Series on Computational Intelligence, USA, 2023. (1st Author equal contributor) [**Accepted**]
- Leveraging InceptionV3 Model with Data Augmentation to Improve Crop Disease Detection in Bangladeshi Agriculture.
Conference: International Conference on Computer and Information Technology, Bangladesh, 2023. [**Under Review**]
- EmoBang: Detecting Emotion from Bengali Text.
Journal: Transactions on Asian and Low-Resource Language Information Processing (Impact Factor: 1.471), Q1 (1st Author equal contributor) [**Accepted**]
- Hate Speech Detection in Bengali Language: A Comprehensive Survey.
Journal: Journal of Big Data (Impact Factor: 10.835), Q1 (1st Author equal contributor) [**Under Review**]

Reviewing Experience: Reviewer in IEEE Symposium Series on Computational Intelligence.

Extracurricular Activity/ Training/ Certification

- ❖ Participated in the **Bangla translate-a-thon** organized by **GDG Bangla**.
- ❖ Volunteer at **Google Translate** Community and **Google Local Guide**.
- ❖ **Member** of the **Robotic Club** of Daffodil International University.
- ❖ **Organizer** of various programs such as study tours, orientation and festival programs, fresher's reception and farewell ceremony, seminars, and cultural programs at DIU. **Volunteer** at Social awareness, Blood donation.
- ❖ **LICT Top-Up IT** training program certification by **ICT** Division, Government of Bangladesh.
- ❖ **Deep Learning** specialization course certification by **deeplearning.ai** instructed by **Andrew Ng**.
- ❖ Six-month Training certification organized by **Republic of Korea** World Friends ICT Volunteers at Daffodil International University, Dhaka, Bangladesh.

English Proficiency Test Score (IELTS)

Listening	Reading	Writing	Speaking	Overall
6.5	6.0	6.0	6.5	6.5