



Nausin Shadia Onti

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 Nausin Onti

/shadia-islam 

SKILLS

- **Programming Languages:** C, Java, Python
- **Web Technologies:** HTML, CSS, JavaScript
- **Technical Skills:** Kali linux, Problem Solving, Microsoft office, Canva, Draw.io

EXPERIENCE

Research Lab Member

Health Informatics Research Lab

June 2023 – Present

- Conducted research in a wide range of topics including image data, computer vision, AI, image processing, segmentation, detection, classification, deep learning, machine learning, Graph Neural Network, etc.

EDUCATION

B.Sc. in Computer Science & Engineering (CSE)

Daffodil International University, Dhaka, Bangladesh

CGPA: 3.74/4.00 | September 2020 - August 2024

Higher Secondary Certificate (HSC) | Science

Muminunnesa Govt Women's College, Mymensingh, Bangladesh

GPA: 4.42/5.00 | April 2019

Secondary School Certificate (SSC) | Science

Cantonment Public school and college, Mymensingh, Bangladesh

GPA: 5.00/5.00 | February 2016

ACADEMIC PROJECTS

- **C-Calculator-[GitHub-Repository](#)**
- **Python-Home Rental System-[GitHub-Repository](#)**
- **C-Art Gallery Management-[GitHub-Repository](#)**
- **JAVA-Bookshop Management-[GitHub-Repository](#)**
- **HTML,CSS,JS-**
 - **[GitHub-Repository](#)**
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RESEARCH & PUBLICATIONS

"Dual-X-GNN: Feature-Aware Dual-Stream Graph Neural Networks for Explainable Brain Tumor Classification"

- Lead author of a research paper on the application of machine learning techniques for predictive analytics in healthcare.
- Explored various algorithms including Dual-stream architecture, Explainable AI, Feature extraction; Graph Neural Networks; Image preprocessing
- [In preparation for submission to Array \(ScienceDirect\)](#)

"LDSeg-DeepLabV3+: A Lightweight Deep Segmentation Model for Efficient Leaf Disease Detection"

- The **LDSeg-DeepLabV3+ model** delivers **state-of-the-art segmentation accuracy** while remaining computationally efficient, making it ideal for real-world agricultural scenarios, especially in resource-constrained settings.
- Achieved **97.34% Mean Pixel Accuracy (MPA)** and **93.47% Mean Intersection over Union (MIoU)**..
- [In preparation for submission to IEEAccess](#)

ACHIEVEMENTS & HOBBIES

- **Second Runner UP, Cyber Security Awareness Project**, Daffodil International University,Dhaka, Bangladesh, 2023.
- **Ethical Hacking Essentials**, Bengal Black Diamond, 2025.
- **Digital Security Essentials**, Information and Communication Technology Division, Bangladesh,2022
- **Hobbies**: Reading tech blogs,Singing,Drawing,Dancing

REFERENCES

Dr. Md. Zahid Hasan

Associate Professor, Department of Computer Science & Engineering

Daffodil International University

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Mr. Mayen Uddin Mojumdar

Lecturer (Senior Scale)

Daffodil International University

Email: mayen.cse@diu.edu.bd