

MD SAZID UDDIN

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Introduction

I am a dedicated software engineer with nearly 2 years of professional experience, holding a bachelor's degree in software engineering. My passion lies in the realm of artificial intelligence and neural networks, and I have actively engaged in research, particularly in the field of disease recognition using deep learning techniques. As a fast learner and avid problem solver, I aspire to further my academic journey by pursuing a master's or Ph.D. degree in computer science with a specific focus on artificial intelligence. My goal is to work on intelligent systems that can tackle real-world challenges, and I am eager to contribute to cutting-edge research under the mentorship of experienced experts in the field.

Education

American International University-Bangladesh

Jan. 2023 – Present

Master of Science in Computer Science

Dhaka, Bangladesh

- Specialization in **Intelligent Systems**
- CGPA 3.80 out of 4.00 (Ongoing)

American International University-Bangladesh

Jan. 2018 – Oct. 2021

Bachelor of Science in Software Engineering

Dhaka, Bangladesh

- CGPA 3.84 out of 4.00

Relevant Coursework

- | | |
|---|-------------------------------------|
| • Machine Learning & Neural Networks | • Data Structures |
| • Natural Language Processing | • Compiler Design |
| • Computer Vision & Pattern Recognition | • Linear Algebra & Fourier Analysis |
| • Human Computer Interaction | • Discrete Mathematics |
| • Design and Analysis of Algorithms | |

Experience

Orion Informatics Ltd

Jan 2022 – Present

Junior Software Engineer

Dhaka, Bangladesh

- Managing large scale web applications for Equiniti (formerly AST Financial)
- Maintaining and extending front-end and back-end services using SpringBoot, Angular and MS SQL Server
- Built high-performance data pipelines using Apache Kafka and Kafka Streams

Orion Informatics Ltd

Jul 2021 – Dec 2021

Software Engineering Intern

Dhaka, Bangladesh

American International University-Bangladesh

Oct 2020 – Dec 2020

Teaching Assistant

Dhaka, Bangladesh

- Advised students on various topics of Compiler Design
- Help conduct and prepare materials for lectures

Research Projects

Mammogram ROI Classification Using Reinforcement Learning | *PyTorch*

Spring 2023

- A multi-agent reinforcement learning model where multiple agents observe parts of image and communicate with each other and give consensus for breast cancer classification using regions of interest in mammogram images.

Deep Learning Model for Multi-Organ Cancer Classification | *Keras, TensorFlow*

Summer 2023

- Developed a hybrid model capable of classifying cervical cancer and acute lymphoma from images. Feature extraction using MobileNet and DenseNet; feature classification using SVM.

Generating Synthetic Breast Cancer ROI Images Using GAN | *PyTorch*

Summer 2023

- Developed a Generative Adversarial Network (GAN) for generating synthetic breast cancer ROI images to augment and enhance sparsely available datasets.

Technical Skills

Deep Learning: PyTorch, TensorFlow, Keras
Web Development: SpringBoot, Angular
Languages: Python, Java, JavaScript, SQL, L^AT_EX

Developer Tools: VS Code, IntelliJ Idea
Technologies/Frameworks: Linux, GitHub

Standardized Tests

GRE

Analytical Writing : **5.0/6.0 - 91st Percentile**
Verbal Reasoning : **154/170 - 62nd Percentile**
Quantitative Reasoning : **156/170 - 54th Percentile**

IELTS

Overall - 7.5/9.0
Listening - 8.5/9.0 Writing - 6.5/9.0
Reading - 7.5/9.0 Speaking - 7.5/9.0

References

Dr. M. Firoz Mridha
Associate Professor of CS
American International University-Bangladesh
Email: **firoz.mridha@aiub.edu**
Website: **AIUB**
Research Profile: **ResearchGate**

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