# Md Sazid Uddin

📞 +8801733738489  ✉ initialsaremsu@gmail.com  🔗 linkedin/sazid-uddin  🐙 github/manchitro  📍 Dhaka, Bangladesh

## 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
- Natural Language Processing
- Computer Vision & Pattern Recognition
- Human Computer Interaction
- Design and Analysis of Algorithms
- Data Structures
- Compiler Design
- Linear Algebra & Fourier Analysis
- Discrete Mathematics

## 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, LaTeX

**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**

**Shafqat Ahmed**
**Chief Technology Officer**
Orion Informatics Ltd.
Email: **shafqat.ahmed@orion-informatics.com**
Website: **LinkedIn**