

MAHMUD SARWAR

27 Siddeshwari, DOM-INNO GARDEN, Dhaka

Mobile: +8801764196608

Email: neloy262@gmail.com

Github: <https://github.com/Neloy262>



CAREER OBJECTIVE

Constantly learn new things and use the knowledge to create useful products.

EDUCATION

- | | |
|---|------|
| Military Institute of Science and Technology | 2021 |
| Bachelor of Science in Computer Science and Engineering | |
| • Passed with a CGPA of 3.67 | |
| Bangladesh International School & College | 2016 |
| Higher Secondary School Certificate | |
| • Passed with a Grade Point Average of 5.00 | |
| Bangladesh International School & College | 2014 |
| Secondary School Certificate | |
| • Passed with a Grade Point Average of 5.00 | |

EXPERIENCE

- Industrial Trainee at BanglaTel Limited (December 2019)
- Intern at Animo AI (Essential Infotech) (Worked mainly on detection, classification and tracking of different objects) (August 15 2021 - September 26 2021)

NOTABLE PROJECTS

- Nose Mobile Interaction System for Android based smartphones
Website Link - <https://nose-mobile-interaction.github.io/>
- Face recognition and tracker using FaceNet and dlib tracker
Github Link - <https://github.com/Neloy262/FaceTracker-Recognition>
- A simple Todo list app using react js
Website Link - <https://github.com/Neloy262/React-TodoApp>
- Space Invaders using OpenGL
Github Link - https://github.com/Neloy262/OpenGL_2D_Project
- Detection And Classification Of Pneumonia From X-Ray Images(Implemented using Pytorch and Flask)
Github Link - https://github.com/Neloy262/Pattern_Project
- Solved the cartpole environment of openai gym using Distributed A2C Algorithm
Github Link - https://github.com/Neloy262/Reinforcement_Learning
- Trained an agent to play the LunarLander environment of openai gym using Policy Gradient Method.
Github Link - https://github.com/Neloy262/Reinforcement_Learning

PUBLICATIONS

- **Journal:**
Muhammad Nazrul Islam, Md Shadman Aadeeb, Rafiur Rahman Khan, Md. Mahadi Hassan Munna, Mahmud Sarwar and Shamima Nasrin Zarin, "Developing A Novel Hands-free Interaction Technique based on Nose-Teeth for Accessing the Smartphone", Human-centric Computing and Information Sciences

COURSES COMPLETED

- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning (Coursera)
- Neural Networks and Deep Learning (Coursera)
- Convolutional Neural Networks (Coursera)
- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization (Coursera)
- Front End Web Development (Shikhbe Shobai)

TECHNICAL SKILLS

- Programming Languages: C, C++, Java, Python
- Android App Development: Android Studio
- Web Development: HTML, CSS, Javascript, Bootstrap, Flask, React
- Machine Learning Libraries: Pytorch, Tensorflow, Keras
- Image Processing Library: OpenCV
- Graphics API: OpenGL
- Automation tool: Selenium