

SHANILA NEHLIN

Senior year | Computer Science & Engineering

Motivated, ambitious and detail-oriented CSE student with a strong foundation in AI, machine learning, and research work. Proven leadership skills through active participation in clubs and community service, complemented by a robust portfolio of projects ranging from AI-driven applications to real-life implementations. Deeply enthusiastic about creative work and artistry.

Contact

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Education

2020 - 2024

North South University

Bachelor of Science in Computer
Science and Engineering

2018 - 2020

Ingenious International School

A Levels in Science
Mathematics | Physics | Chemistry

2016 - 2018

Playpen School

O Levels in Science

Skills

LANGUAGES FRAMEWORKS

- Python
- C++
- C
- Java
- Javascript
- PyTorch
- React JS
- React
- Native
- Django

Certifications

- CS50's Introduction to Computer Science
- Object-Oriented C++: Inheritance and Encapsulation
- Introduction to Object-Oriented Programming in C++
- Young Leaders Build Young Leaders Build, Habitat for Humanity International
- Strive For The Gifted Strive For The Gifted, Autism Welfare Foundation (AWF)

Experience

North South University Social Services Club

- Sub-Committee
- Potential Member
- General Member
- Probationary Member

Mar 2021 - Jul 2023

IEEE NSU PES Student Branch Chapter

- Volunteer

IEEE NSU Student Branch

- Core Volunteer

Jul 2022 - Dec 2022

Projects

BulletDodge: A Reinforcement Learning Model Nov 2023

Reinforcement learning agent in a challenging arena, exploring the influence of environmental factors and neural network architectures on optimal learning strategies in dynamic scenarios.

Digital Hearing Aid Aug 2023

Application for people with hearing aid disability and autism that takes input sound and then processes, suppresses extreme loud sudden sounds, and finally amplifies the output according to the user's need.

Epicity.pen: Doodling just got epic Mar 2024

Application that transforms ordinary doodles into realistic vibrant images using EfficientNet architecture.

Predicting Learning Disorder Rate in Children with Autism Sep 2023

Machine Learning model to accurately predict learning disorders in children on the autism spectrum using the ASD dataset through multiple algorithms, cross validation techniques and XAI for robust data analysis.

Synchronization Software Jul 2023

A user-friendly software application that allows users to synchronize and share any kind of data across multiple devices and operating systems for increased productivity and efficiency.

Y-Alo: AI Infused Dynamic Tracking System May 2024

Menstruation tracking application with multiple integrated AI Chatbots and other features like dual language etc.

Publications

A Machine Learning Approach for Early Detection of Learning Disorders in Pediatrics | International Conference on Advances in Computing, Communication, Electrical, and Smart Systems (iACCESS) (Apr 22, 2024)

Hackathons

Gen-Dev Hackathon 2024 Acme AI & WaterAid Bangladesh

Runners-Up Position May 2024

Languages

- Bengali
- English

Exhibitions

Reverie, Art Exhibition The Black Tie Productions

Aug 2019

Mukhosher Arale, Art Exhibition Cosmo Concepts

Jul 2019